REPORT RESUMES

ED 020 405 VT 005 162

MANPOWER RESOURCES IN HOSPITALS, 1966. SUMMARY REPORT OF A SURVEY.

PUBLIC HEALTH SERVICE (DHEW), WASHINGTON, D.C.
AMERICAN HOSPITAL ASSN., CHICAGO, ILL.

PUB DATE JUN 67
EDRS PRICE MF-$0.50 HC-$3.16 77P.

DESCRIPTORS- *HEALTH OCCUPATIONS, *HOSPITALS, *OCCUPATIONAL SURVEYS, EMPLOYMENT STATISTICS, MANPOWER NEEDS, QUESTIONNAIRES,

QUESTIONNAIRE RESPONSES FROM 5,369 (77 PERCENT) OF THE 6,993 HOSPITALS CONTACTED PROVIDED INFORMATION NEEDED FOR PLANNING EDUCATIONAL AND RECRUITMENT PROGRAMS. PERSONNEL IN ALL CATEGORIES EMPLOYED BY THE RESPONDING HOSPITALS TOTALED 1,750,545. PROJECTED ESTIMATES FOR ALL HOSPITALS, SHOWED 1,332,052 PROFESSIONAL AND TECHNICAL WORKERS EMPLOYED AND 257,217 ADDITIONAL PROFESSIONAL AND TECHNICAL WORKERS NEEDED. THE MOST URGENTLY NEEDED CATEGORIES WERE--(1) REGISTERED NURSES, (2) AIDES, ORDERLIES, AND ATTENDANTS, (3) LICENSED PRACTICAL NURSES, (4) MEDICAL TECHNOLOGISTS, AND (5) DIETICIANS. DETAILED DATA ON STAFFING AND CURRENT NEEDS AND ON MOST URGENT PERSONNEL NEEDS ARE PRESENTED IN FULL-PAGE TABLES FOR THE UNITED STATES, FOR EACH REGION, AND FOR STATES WITHIN EACH REGION. TABLES PRESENTING UTILIZATION CHARACTERISTICS OF RESPONDING HOSPITALS AND A SAMPLE QUESTIONNAIRE WITH INSTRUCTIONS ARE INCLUDED. (JK)

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ED020405

MANPOWER RESOURCES
in hospitals – 1966

Summary Report
of a Survey
Conducted by the
Bureau of Health Manpower, Public Health Service
Department of Health, Education, and Welfare
and the
American Hospital Association

Published by the
American Hospital Association
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Chicago, Illinois 60611

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G297
12M/6-67/19092

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INTRODUCTION

Detailed information on staffing patterns and manpower needs in hospitals, especially with regard to technical personnel in the professional service departments, has been urgently needed as a basis for planning recruitment and educational programs throughout the nation. This publication is a summary report of a study conducted jointly by the U.S. Public Health Service and the American Hospital Association to obtain such information. Future reports will go into further detail concerning various aspects of the study.

Two sets of tables are included in this report. Data on staffing and current needs are presented first in the series of full-page tables titled "Personnel in Hospitals." These tables give data for the United States, for each region, and for states within each region, in geographic sequence. Data on "Most Urgent Personnel Needs" are then presented, also by region and state.

Utilization characteristics of the responding hospitals are summarized in Appendix A. The questionnaire and the instructions for completing the survey, which contained definitions developed jointly by the staffs of the Public Health Service and the American Hospital Association, are reproduced in Appendixes B and C.

RESPONSE TO THE SURVEY

Joint planning for the survey began late in 1965. The questionnaire, with accompanying instructions and definitions, was mailed in April 1966 to the 6993 hospitals registered by the American Hospital Association. By August 1966, responses had been received from 5369 of these hospitals (77 per cent). An analysis of the responses is shown below.

CATEGORY	MAILED	RECEIVED	
		NUMBER	PER CENT
United States — total	6,993	5,342	76.4
By ownership			
Federal	430	402	93.5
Governmental nonfederal	2,011	1,543	76.7
Voluntary nonprofit	3,596	2,873	79.9
Proprietary for-profit	956	524	54.8
By service			
Short-term general	5,837	4,418	75.7
Long-term general	63	50	79.3
Psychiatric	500	404	80.8
Tuberculosis	175	149	85.1
Chronic-Convalescent	78	57	73.1
All other	340	264	77.6
By size			
Under 25 beds	612	385	62.9
25-49	1,646	1,144	69.5
50-99	1,727	1,259	72.9
100-199	1,268	1,023	80.7
200-299	663	573	86.4
300-399	320	287	89.7
400-499	181	161	89.0
500 and over	576	510	88.5

PERSONNEL IN HOSPITALS

The tables on staffing and current needs include not only the actual data reported by the responding hospitals for the reporting week, April 17-23, 1966; but also Public Health Service estimates, in selected categories, for all registered hospitals. The categories shown represent a condensation of the 39 numbered categories on the questionnaire; subgroups have been eliminated, and four categories have been included in the totals for "all other professional and technical" rather than itemized separately. (The four categories are numbers 10, 11, 21, and 24: nuclear medicine technologists and technicians, nuclear medicine assistants, inhalation therapists, and medical librarians.)

The personnel counts represent individual persons, whether full-time or part-time; no full-time equivalents were calculated. A full-time employee was defined as one who regularly works 35 hours or more during a week; a part-time employee as one who works fewer than 35 hours per week.

Hospitals were requested to report each person in only one category; a person performing functions in more than one category was to be classified in the category which accounted for more than 50 per cent of his working time. For example, a professional nurse who worked 75 per cent of her time as a medical technologist would be counted in that category, rather than as a nurse.

The data given under the heading "Additional Needs" represent the sum of budgeted vacancies and the additional personnel needed to provide optimum care as of the reporting week (Section C of the questionnaire, Columns I and II).

The estimates for all registered hospitals were obtained by projecting the data for reporting hospitals in each state, by type of hospital, using the following classification:

1. Federal
2. Nonfederal psychiatric
3. Nonfederal long-term general and other special (including tuberculosis)
4. Nonfederal governmental short-term general and special
5. Voluntary nonprofit and proprietary for-profit short-term general and special

The projection factor used was the ratio of the average daily census in all registered hospitals of the specified type in a state to the census in the reporting hospitals of the same type.

MOST URGENT PERSONNEL NEEDS

Hospitals were asked to list the five manpower needs they considered most urgent. They were not restricted to the personnel categories listed in the questionnaire; as a result, a number of additional categories were introduced. Three of these additions are reflected in the summary tabulation: administrators (Ala.); clinical psychologists (Del.); and physicians (N. Mex.).

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

UNITED STATES

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
LL CATEGORIES—TOTAL	.....	1,750,545	1,491,230	259,315	.....	.....
ll professional and technical—Total	1,332,052	1,075,857	895,363	180,494	257,217	205,854
Nursing service						
Professional nurses	360,969	295,638	210,834	84,804	79,470	63,834
LPN's or vocational nurses	150,569	120,800	104,746	16,054	41,404	33,244
Surgical technical aide	17,623	14,563	12,902	1,661	3,913	3,231
Aides, orderlies, attendants	492,007	390,561	354,852	35,709	69,746	55,344
Diagnostic services						
Medical technologist	54,488	44,537	36,428	8,109	9,172	7,487
Laboratory assistants	14,623	11,883	9,511	2,372	2,492	2,006
Cytotechnologists	1,634	1,343	1,188	155	539	449
Histologic technicians	3,907	3,243	3,041	202	678	566
Electrocardiographic technicians	5,932	4,901	4,099	802	823	679
Electroencephalographic technicians	**	1,503	1,279	224	**	344
Therapeutic services						
Occupational therapists	4,059	3,178	2,854	324	2,271	1,771
Occupational therapy assistants	3,812	2,890	2,580	310	1,177	909
Physical therapists	8,470	6,565	5,245	1,320	2,846	2,260
Physical therapy assistants	5,246	4,267	3,697	570	1,092	864
Social workers	10,665	8,541	7,386	1,155	5,143	4,061
Social work assistants	1,467	1,184	1,010	174	516	438
Recreation therapists	3,807	2,965	2,662	303	1,603	1,144
Inhalation therapists	5,560	4,576	3,817	759	2,231	1,827
Speech pathologists and audiologists	1,155	919	649	270	544	422
Radiology						
Radiologic technologists	24,011	19,595	17,550	2,045	3,862	3,153
X-ray assistants	5,954	4,812	4,068	744	878	713
Radiation therapy technologists	**	979	925	54	**	226
Radiation therapy assistants	**	172	158	14	**	83
Medical records						
Medical record librarians	6,341	5,065	4,300	765	1,809	1,445
Medical record assistants	10,093	8,159	6,761	1,398	1,836	1,464
Dietary						
Dietitians	12,659	10,288	8,761	1,527	3,537	2,826
Food service managers	5,402	4,252	3,986	266	842	666
Pharmacy						
Pharmacists	9,437	7,717	5,938	1,779	1,872	1,514
Pharmacy assistants	5,630	4,646	3,483	1,163	946	778
All other professional and technical	106,532	86,115	70,653	15,462	15,975	12,106
ther hospital personnel—Total	....	674,688	595,867	78,821	....	....
Food service workers	....	181,837	147,682	34,155	....	....
Laundry	....	46,444	43,712	2,732	....	....
Housekeeping	....	121,613	112,815	8,798	....	....
Maintenance	....	77,648	74,236	3,412	....	....
All other (includes management and all secretarial and clerical)	....	247,146	217,422	29,724	....	....

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*Estimates made by addition of states' figures.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

NEW ENGLAND

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	135,315	106,645	28,670	.....	.....
All professional and technical—Total	42,392	80,128	61,732	18,396	7,687	13,606
Nursing service						
Professional nurses	31,698	27,283	17,295	9,988	5,231	4,397
LPN's or vocational nurses	10,874	8,998	7,349	1,649	3,491	2,814
Surgical technical aide	946	845	752	93	183	162
Aides, orderlies, attendants	29,296	24,387	20,651	3,736	3,241	2,590
Diagnostic services						
Medical technologist	4,739	4,177	3,341	836	611	527
Laboratory assistants	1,397	1,203	908	295	155	135
Cytotechnologists	191	168	147	21	34	30
Histologic technicians	316	274	259	15	33	29
Electrocardiographic technicians	445	386	314	72	33	29
Electroencephalographic technicians	* *	123	101	22	* *	21
Therapeutic services						
Occupational therapists	313	248	221	27	229	180
Occupational therapy assistants	290	231	219	12	55	41
Physical therapists	626	523	436	87	221	179
Physical therapy assistants	229	190	164	26	60	51
Social workers	935	800	647	153	540	434
Social work assistants	111	97	83	14	48	39
Recreation therapists	233	188	169	19	81	64
Inhalation therapists	374	326	273	53	149	130
Speech pathologists and audiologists	84	68	50	18	36	29
Radiology						
Radiologic technologists	1,729	1,489	1,308	181	253	212
X-ray assistants	306	262	230	32	32	27
Radiation therapy technologists	* *	67	65	2	* *	22
Radiation therapy assistants	* *	5	5	0	* *	3
Medical records						
Medical record librarians	443	378	321	57	117	98
Medical record assistants	937	776	599	177	201	171
Dietary						
Dietitians	921	788	677	111	215	181
Food service managers	313	268	245	23	36	31
Pharmacy						
Pharmacists	560	481	407	74	105	87
Pharmacy assistants	317	280	185	95	41	37
All other professional and technical	5,741	4,819	4,311	508	1,211	856
Other hospital personnel—Total	.....	55,187	44,913	10,274	.....	.....
Food service workers	.....	13,982	9,920	4,062	.....	.....
Laundry	.....	3,201	3,023	178	.....	.....
Housekeeping	.....	10,280	8,452	1,828	.....	.....
Maintenance	.....	6,199	5,909	290	.....	.....
All other (includes management and all secretarial and clerical)	.....	21,529	17,609	3,916	.....	.....

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*Estimates for division obtained by addition of states' figures.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

MAINE

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	9,381	7,873	1,508	.....	.....
All professional and technical—Total	6,571	5,837	4,854	983	948	829
Nursing service						
Professional nurses	2,250	1,949	1,401	548	277	238
LPN's or vocational nurses	419	365	297	68	158	138
Surgical technical aide	150	136	120	16	26	22
Aides, orderlies, attendants	2,340	2,128	1,938	190	118	107
Diagnostic services						
Medical technologist	241	208	176	32	56	48
Laboratory assistants	92	82	70	12	13	12
Cytotechnologists	**	6	4	2	**	3
Histologic technicians	**	9	8	1	**	2
Electrocardiographic technicians	40	34	27	7	4	4
Electroencephalographic technicians	**	10	7	3	**	2
Therapeutic services						
Occupational therapists	**	7	6	1	**	10
Occupational therapy assistants	34	33	33	0	3	3
Physical therapists	35	31	24	7	36	33
Physical therapy assistants	**	15	13	2	**	8
Social workers	49	46	44	2	31	28
Social work assistants	**	5	5	0	**	3
Recreation therapists	**	6	6	0	**	2
Inhalation therapists	**	9	7	2	**	7
Speech pathologists and audiologists	**	5	5	0	**	4
Radiology						
Radiologic technologists	155	135	125	10	37	31
X-ray assistants	26	23	21	2	3	3
Radiation therapy technologists	**	2	2	0	**	2
Radiation therapy assistants	**	0	0	0	**	0
Medical records						
Medical record librarians	51	44	28	16	12	10
Medical record assistants	90	80	64	16	24	22
Dietary						
Dietitians	65	56	48	8	25	22
Food service managers	43	37	31	6	7	6
Pharmacy						
Pharmacists	30	27	23	4	21	18
Pharmacy assistants	34	31	25	6	5	5
All other professional and technical	427	318	296	22	92	36
Other hospital personnel—Total	.....	3,544	3,019	525	.....	.....
Food service workers	.....	977	708	269	.....	.....
Laundry	.....	269	256	13	.....	.....
Housekeeping	.....	715	640	75	.....	.....
Maintenance	.....	470	454	16	.....	.....
All other (includes management and all secretarial and clerical)	.....	1,113	961	152	.....	.....

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* Estimates, not made for all categories, are based on sample representing 93 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

NEW HAMPSHIRE

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	6,782	5,216	1,566	.....	.....
All professional and technical—Total	4,876	4,227	3,165	1,062	605	532
Nursing service						
Professional nurses	1,788	1,517	1,017	500	212	180
LPN's or vocational nurses	456	380	274	106	75	66
Surgical technical aide	49	40	33	7	2	2
Aides, orderlies, attendants	1,754	1,579	1,280	299	176	161
Diagnostic services						
Medical technologist	174	146	107	39	18	15
Laboratory assistants	34	28	20	8	2	2
Cytotechnologists	* *	7	7	0	* *	0
Histologic technicians	* *	17	17	0	* *	0
Electrocardiographic technicians	* *	19	10	9	* *	3
Electroencephalographic technicians	* *	4	0	4	* *	0
Therapeutic services						
Occupational therapists	* *	10	8	2	* *	12
Occupational therapy assistants	* *	10	7	3	* *	0
Physical therapists	* *	18	13	5	* *	9
Physical therapy assistants	* *	9	9	0	* *	5
Social workers	26	25	19	6	13	12
Social work assistants	* *	2	2	0	* *	1
Recreation therapists	* *	8	2	6	* *	2
Inhalation therapists	* *	15	12	3	* *	5
Speech pathologists and audiologists	* *	1	0	1	* *	2
Radiology						
Radiologic technologists	97	82	73	9	16	13
X-ray assistants	* *	7	5	2	* *	0
Radiation therapy technologists	* *	3	2	1	* *	1
Radiation therapy assistants	* *	1	1	0	* *	0
Medical records						
Medical record librarians	* *	19	18	1	* *	8
Medical record assistants	55	46	36	10	1	1
Dietary						
Dietitians	48	41	30	11	7	6
Food service managers	39	32	29	3	3	3
Pharmacy						
Pharmacists	* *	19	13	6	* *	5
Pharmacy assistants	* *	15	10	5	* *	3
All other professional and technical	356	127	111	16	80	15
Other hospital personnel—Total	.....	2,555	2,051	504	.....	.....
Food service workers	.....	661	462	199	.....	.....
Laundry	.....	194	172	22	.....	.....
Housekeeping	.....	539	423	116	.....	.....
Maintenance	.....	361	333	28	.....	.....
All other (includes management and all secretarial and clerical)	.....	800	661	139	.....	.....

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* Estimates, not made for all categories, are based on sample representing 92 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

VERMONT

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	4,034	3,418	616	.....	.....
All professional and technical—Total	3,208	2,472	2,032	440	503	380
Nursing service						
Professional nurses	1,205	865	632	233	161	116
LPN's or vocational nurses	492	364	308	56	108	75
Surgical technical aide	25	18	16	2	13	9
Aides, orderlies, attendants	948	823	752	71	95	81
Diagnostic services						
Medical technologist	107	77	66	11	24	16
Laboratory assistants	47	33	19	14	5	4
Cytotechnologists	**	3	2	1	**	0
Histologic technicians	**	5	5	0	**	0
Electrocardiographic technicians	30	21	20	1	1	1
Electroencephalographic technicians	**	3	2	1	**	0
Therapeutic services						
Occupational therapists	**	4	4	0	**	5
Occupational therapy assistants	**	9	8	1	**	0
Physical therapists	**	17	12	5	**	3
Physical therapy assistants	**	3	2	1	**	5
Social workers	**	13	12	1	**	19
Social work assistants	**	2	2	0	**	0
Recreation therapists	**	6	6	0	**	3
Inhalation therapists	**	6	5	1	**	7
Speech pathologists and audiologists	**	1	0	1	**	2
Radiology						
Radiologic technologists	61	44	39	5	6	5
X-ray assistants	**	10	7	3	**	0
Radiation therapy technologists	**	7	7	0	**	0
Radiation therapy assistants	**	0	0	0	**	0
Medical records						
Medical record librarians	25	20	14	6	2	2
Medical record assistants	40	29	25	4	8	6
Dietary						
Dietitians	38	27	23	4	5	5
Food service managers	**	11	10	1	**	4
Pharmacy						
Pharmacists	**	15	11	4	**	2
Pharmacy assistants	**	11	6	5	**	2
All other professional and technical	190	25	17	8	75	8
Other hospital personnel—Total	.....	1,562	1,386	176	.....	.....
Food service workers	.....	444	344	100	.....	.....
Laundry	.....	118	113	5	.....	.....
Housekeeping	.....	269	241	28	.....	.....
Maintenance	.....	191	183	8	.....	.....
All other (includes management and all secretarial and clerical)	.....	540	505	35	.....	.....

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* Estimates, not made for all categories, are based on sample representing 89 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

MASSACHUSETTS

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	73,976	58,250	15,726	.....	.....
All professional and technical—Total	51,700	43,299	33,578	9,721	10,080	7,961
Nursing service						
Professional nurses	17,250	14,785	9,640	5,075	3,065	2,532
LPN's or vocational nurses	6,764	5,447	4,617	830	2,348	1,823
Surgical technical aide	451	404	372	32	68	61
Aides, orderlies, attendants	14,536	11,784	9,829	1,955	1,832	1,387
Diagnostic services						
Medical technologist	2,811	2,456	1,958	498	346	297
Laboratory assistants	998	861	630	231	112	95
Cytotechnologists	84	73	60	13	10	9
Histologic technicians	210	173	164	9	18	14
Electrocardiographic technicians	229	200	158	42	16	12
Electroencephalographic technicians	**	70	60	10	**	9
Therapeutic services						
Occupational therapists	205	162	144	18	135	100
Occupational therapy assistants	122	98	92	6	42	30
Physical therapists	344	288	236	52	97	73
Physical therapy assistants	112	92	79	13	26	20
Social workers	575	485	378	107	298	233
Social work assistants	60	51	45	6	8	6
Recreation therapists	128	105	96	9	47	36
Inhalation therapists	208	181	151	30	73	63
Speech pathologists and audiologists	49	40	32	8	17	13
Radiology						
Radiologic technologists	940	803	693	110	154	126
X-ray assistants	171	144	125	19	13	11
Radiation therapy technologists	**	26	26	**	**	14
Radiation therapy assistants	**	4	4	**	**	3
Medical records						
Medical record librarians	220	186	166	20	69	56
Medical record assistants	542	441	322	119	120	99
Dietary						
Dietitians	470	399	343	56	126	103
Food service managers	137	119	111	8	17	13
Pharmacy						
Pharmacists	330	280	236	44	60	47
Pharmacy assistants	170	150	95	55	24	20
All other professional and technical	3,593	2,992	2,716	276	939	656
Other hospital personnel—Total	.....	30,677	24,672	6,005	.....	.....
Food service workers	.....	7,818	5,375	2,443	.....	.....
Laundry	.....	1,522	1,422	100	.....	.....
Housekeeping	.....	5,643	4,580	1,063	.....	.....
Maintenance	.....	3,383	3,193	190	.....	.....
All other (includes management and all secretarial and clerical)	.....	12,311	10,102	2,209	.....	.....

* Estimates, not made for all categories, are based on sample representing 79 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

RHODE ISLAND

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	12,209	9,549	2,660	.....	.....
All professional and technical—Total	7,902	7,644	5,829	1,815	1,361	1,323
Nursing service						
Professional nurses	2,345	2,242	1,321	921	366	352
LPN's or vocational nurses	999	956	693	263	275	265
Surgical technical aide	78	75	56	19	37	35
Aides, orderlies, attendants	2,622	2,571	2,201	370	323	319
Diagnostic services						
Medical technologist	528	515	446	69	39	38
Laboratory assistants	32	31	28	3	14	14
Cytotechnologists	* *	21	20	1	* *	5
Histologic technicians	36	34	31	3	5	5
Electrocardiographic technicians	37	35	34	1	6	6
Electroencephalographic technicians	* *	9	8	1	* *	4
Therapeutic services						
Occupational therapists	* *	14	12	2	* *	20
Occupational therapy assistants	* *	4	4	0	* *	2
Physical therapists	44	43	37	6	28	27
Physical therapy assistants	* *	14	12	2	* *	7
Social workers	81	80	68	12	44	44
Social work assistants	* *	19	15	4	* *	17
Recreation therapists	* *	16	16	0	* *	8
Inhalation therapists	* *	13	9	4	* *	12
Speech pathologists and audiologists	* *	5	5	0	* *	3
Radiology						
Radiologic technologists	119	114	102	12	17	17
X-ray assistants	28	27	25	2	7	7
Radiation therapy technologists	* *	4	4	0	* *	2
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	38	36	28	8	10	10
Medical record assistants	83	79	65	14	27	26
Dietary						
Dietitians	74	71	63	8	14	14
Food service managers	* *	21	21	0	* *	2
Pharmacy						
Pharmacists	43	41	33	8	6	6
Pharmacy assistants	28	27	20	7	4	4
All other professional and technical	687	527	452	75	139	52
Other hospital personnel—Total	.....	4,565	3,720	845	.....	.....
Food service workers	.....	1,159	872	287	.....	.....
Laundry	.....	296	280	16	.....	.....
Housekeeping	.....	1,008	784	224	.....	.....
Maintenance	.....	488	471	17	.....	.....
All other (includes management and all secretarial and clerical)	.....	1,614	1,313	301	.....	.....

* Estimates, not made for all categories, are based on sample representing 98 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

CONNECTICUT

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	28,933	22,339	6,594	.....	.....
All professional and technical—Total	20,107	16,649	12,274	4,375	3,145	2,581
Nursing service						
Professional nurses	6,860	5,925	3,284	2,641	1,150	979
LPN's or vocational nurses	1,744	1,486	1,160	326	527	447
Surgical technical aide	193	172	155	17	37	33
Aides, orderlies, attendants	7,096	5,502	4,651	851	697	535
Diagnostic services						
Medical technologist	878	775	588	187	128	113
Laboratory assistants	194	168	141	27	9	8
Cytotechnologists	65	58	54	4	15	13
Histologic technicians	40	36	34	2	8	8
Electrocardiographic technicians	86	77	65	12	3	3
Electroencephalographic technicians	* *	27	24	3	* *	6
Therapeutic services						
Occupational therapists	73	51	47	4	46	33
Occupational therapy assistants	111	77	75	2	8	6
Physical therapists	159	126	114	12	46	34
Physical therapy assistants	71	57	49	8	8	6
Social workers	189	151	126	25	132	98
Social work assistants	* *	18	14	4	* *	12
Recreation therapists	69	47	43	4	19	13
Inhalation therapists	114	102	89	13	40	36
Speech pathologists and audiologists	* *	16	8	8	* *	5
Radiology						
Radiologic technologists	357	311	276	35	23	20
X-ray assistants	58	51	47	4	9	6
Radiation therapy technologists	* *	25	24	1	* *	3
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	86	73	67	6	15	12
Medical record assistants	127	101	87	14	21	17
Dietary						
Dietitians	226	194	170	24	38	31
Food service managers	58	48	43	5	3	3
Pharmacy						
Pharmacists	116	99	91	8	10	9
Pharmacy assistants	51	46	29	17	3	3
All other professional and technical	1,086	830	719	111	150	89
Other hospital personnel—Total	.....	12,284	10,065	2,219	.....	.....
Food service workers	.....	2,923	2,159	764	.....	.....
Laundry	.....	802	780	22	.....	.....
Housekeeping	.....	2,106	1,784	322	.....	.....
Maintenance	.....	1,306	1,275	31	.....	.....
All other (includes management and all secretarial and clerical)	.....	5,147	4,067	1,080	.....	.....

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* Estimates, not made for all categories, are based on sample representing 76 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

MIDDLE ATLANTIC

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	389,719	329,004	60,715	.....	.....
All professional and technical—Total	291,846	237,400	193,394	44,006	63,110	49,923
Nursing service						
Professional nurses	79,907	67,297	46,775	20,522	21,878	17,380
LPN's or vocational nurses	29,844	24,443	20,436	4,007	9,975	8,120
Surgical technical aide	2,538	2,194	2,076	118	783	660
Aides, orderlies, attendants	105,051	81,174	76,614	4,560	15,993	12,246
Diagnostic services						
Medical technologist	11,018	9,274	7,703	1,571	2,031	1,692
Laboratory assistants	2,672	2,261	1,893	368	522	432
Cytotechnologists	386	334	296	38	171	146
Histologic technicians	879	746	706	40	214	181
Electrocardiographic technicians	1,312	1,124	926	198	197	158
Electroencephalographic technicians	**	307	249	58	**	96
Therapeutic services						
Occupational therapists	1,009	747	657	90	770	561
Occupational therapy assistants	1,394	983	893	90	420	293
Physical therapists	1,596	1,285	1,094	191	714	550
Physical therapy assistants	877	721	658	63	201	156
Social workers	2,793	2,194	1,921	273	1,727	1,327
Social work assistants	348	288	264	24	154	130
Recreation therapists	952	723	634	89	471	325
Inhalation therapists	976	836	691	145	454	374
Speech pathologists and audiologists	372	300	217	83	183	141
Radiology						
Radiologic technologists	4,694	3,945	3,565	380	964	809
X-ray assistants	1,124	950	839	111	230	192
Radiation therapy technologists	**	279	264	15	**	72
Radiation therapy assistants	**	62	60	2	**	39
Medical records						
Medical record librarians	1,005	829	753	76	312	250
Medical record assistants	1,535	1,292	1,136	156	324	264
Dietary						
Dietitians	2,848	2,326	2,112	214	827	661
Food service managers	644	536	526	10	121	102
Pharmacy						
Pharmacists	1,826	1,517	1,252	265	311	257
Pharmacy assistants	849	709	582	127	185	149
All other professional and technical	33,397	27,724	17,602	10,122	2,978	2,160
Other hospital personnel—Total	.....	152,319	135,610	16,709	.....	.....
Food service workers	.....	41,080	33,941	7,139	.....	.....
Laundry	.....	9,356	8,939	417	.....	.....
Housekeeping	.....	27,448	25,850	1,598	.....	.....
Maintenance	.....	20,273	19,190	1,083	.....	.....
All other (includes management and all secretarial and clerical)	.....	54,162	47,690	6,472	.....	.....

*Estimates for division obtained by addition of state figures.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

NEW YORK

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS•	REPORTING HOSPITALS			ALL HOSPITALS•	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	199,832	175,439	24,393	.....	.....
All professional and technical—Total	158,768	119,801	103,691	16,110	36,284	26,276
Nursing service						
Professional nurses	38,953	30,650	22,320	8,330	12,290	9,091
LPN's or vocational nurses	17,446	13,371	11,433	1,938	5,565	4,199
Surgical technical aide	1,381	1,137	1,067	70	441	350
Aides, orderlies, attendants	66,203	47,750	45,408	2,342	9,318	6,543
Diagnostic services						
Medical technologist	6,417	5,159	4,305	854	1,227	971
Laboratory assistants	1,364	1,081	936	145	288	223
Cytotechnologists	195	163	146	17	85	67
Histologic technicians	509	410	397	13	118	94
Electrocardiographic technicians	662	534	456	78	120	91
Electroencephalographic technicians	* *	161	132	29	* *	48
Therapeutic services						
Occupational therapists	658	455	399	56	526	358
Occupational therapy assistants	874	564	483	81	249	150
Physical therapists	945	706	621	85	437	310
Physical therapy assistants	416	309	283	26	120	82
Social workers	1,918	1,450	1,254	196	1,278	948
Social work assistants	133	102	97	5	80	63
Recreation therapists	583	413	365	48	357	229
Inhalation therapists	449	355	324	31	220	163
Speech pathologists and audiologists	205	148	110	38	108	40
Radiology						
Radiologic technologists	2,615	2,084	1,813	271	603	479
X-ray assistants	593	470	432	38	133	104
Radiation therapy technologists	* *	140	129	11	* *	36
Radiation therapy assistants	* *	42	41	1	* *	16
Medical records						
Medical record librarians	574	440	400	40	188	139
Medical record assistants	788	616	550	66	194	149
Dietary						
Dietitians	1,837	1,421	1,312	109	532	141
Food service managers	276	214	211	3	54	41
Pharmacy						
Pharmacists	1,050	822	702	120	175	88
Pharmacy assistants	475	369	313	56	118	89
All other professional and technical	11,249	8,265	7,252	1,013	1,460	974
Other hospital personnel—Total	.....	80,031	71,748	8,283	.....	.....
Food service workers	.....	22,099	18,368	3,731	.....	.....
Laundry	.....	4,414	4,234	180	.....	.....
Housekeeping	.....	14,474	13,699	775	.....	.....
Maintenance	.....	11,123	10,455	668	.....	.....
All other (includes management and all secretarial and clerical)	.....	27,921	24,992	2,929	.....	.....

• Estimates, not made for all categories, are based on sample representing 71 per cent of the average daily census in registered hospitals in this area.

•• Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

NEW JERSEY

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	59,866	50,218	9,648	.....	.....
All professional and technical—Total	44,873	38,181	31,511	6,670	11,000	9,220
Nursing service						
Professional nurses	13,675	11,995	7,785	4,210	3,885	3,232
LPN's or vocational nurses	4,412	3,750	3,101	649	2,017	1,765
Surgical technical aide	363	331	312	19	94	86
Aides, orderlies, attendants	13,988	11,437	10,615	822	2,785	2,252
Diagnostic services						
Medical technologist	1,464	1,275	1,035	240	331	290
Laboratory assistants	322	282	231	51	78	68
Cytotechnologists	40	34	30	4	28	26
Histologic technicians	104	93	84	9	30	28
Electrocardiographic technicians	186	166	133	33	42	36
Electroencephalographic technicians	**	50	38	12	**	20
Therapeutic services						
Occupational therapists	97	78	64	14	107	84
Occupational therapy assistants	138	105	102	3	25	21
Physical therapists	247	208	160	48	121	97
Physical therapy assistants	127	106	97	9	17	15
Social workers	260	212	181	31	181	149
Social work assistants	95	78	68	10	21	19
Recreation therapists	85	69	65	4	28	23
Inhalation therapists	138	125	122	3	72	64
Speech pathologists and audiologists	48	41	26	15	27	22
Radiology						
Radiologic technologists	663	575	541	34	166	151
X-ray assistants	193	171	122	49	25	21
Radiation therapy technologists	**	39	38	1	**	16
Radiation therapy assistants	**	2	2	0	**	3
Medical records						
Medical record librarians	135	118	111	7	46	41
Medical record assistants	276	245	215	30	56	49
Dietary						
Dietitians	351	309	271	38	110	94
Food service managers	102	86	83	3	18	17
Pharmacy						
Pharmacists	244	214	172	42	48	43
Pharmacy assistants	113	99	82	17	37	32
All other professional and technical	7,007	5,888	5,625	263	605	456
Other hospital personnel—Total	.....	21,685	18,705	2,978	.....	.....
Food service workers	.....	5,759	4,790	969	.....	.....
Laundry	.....	1,327	1,269	58	.....	.....
Housekeeping	.....	3,965	3,616	349	.....	.....
Maintenance	.....	2,896	2,721	175	.....	.....
All other (includes management and all secretarial and clerical)	.....	7,738	6,311	1,427	.....	.....

* Estimates, not made for all categories, are based on sample representing 81 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

PENNSYLVANIA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	130,021	103,347	26,674	.....	.....
All professional and technical—Total	88,205	74,418	58,192	21,226	15,826	14,086
Nursing service						
Professional nurses	27,279	24,652	16,670	7,982	5,703	5,057
LPN's or vocational nurses	7,986	7,322	5,902	1,420	2,393	2,156
Surgical technical aide	794	726	697	29	248	224
Aides, orderlies, attendants	24,860	21,987	20,591	1,296	3,890	3,451
Diagnostic services						
Medical technologist	3,137	2,840	2,363	477	473	431
Laboratory assistants	986	898	726	172	156	141
Cytotechnologists	151	137	120	17	58	53
Histologic technicians	266	243	225	18	66	59
Electrocardiographic technicians	464	424	337	87	35	31
Electroencephalographic technicians	**	96	79	17	**	28
Therapeutic services						
Occupational therapists	254	214	194	20	137	119
Occupational therapy assistants	382	314	308	6	146	122
Physical therapists	404	371	313	58	156	143
Physical therapy assistants	334	306	278	28	64	59
Social workers	615	532	486	46	268	230
Social work assistants	120	108	99	9	53	48
Recreation therapists	284	241	204	37	86	73
Inhalation therapists	389	356	245	111	162	147
Speech pathologists and audiologists	119	111	81	30	48	44
Radiology						
Radiologic technologists	1,416	1,286	1,211	75	195	179
X-ray assistants	338	309	285	24	72	67
Radiation therapy technologists	**	100	97	3	**	20
Radiation therapy assistants	**	18	17	1	**	20
Medical records						
Medical record librarians	296	271	242	29	78	70
Medical record assistants	471	431	371	60	74	66
Dietary						
Dietitians	660	596	529	67	185	166
Food service managers	266	236	232	4	49	44
Pharmacy						
Pharmacists	532	481	378	103	88	80
Pharmacy assistants	261	241	187	54	30	28
All other professional and technical	15,141	13,571	4,725	8,846	913	730
Other hospital personnel—Total	.....	50,603	45,155	5,448	.....	.....
Food service workers	.....	13,222	10,783	2,439	.....	.....
Laundry	.....	3,615	3,436	179	.....	.....
Housekeeping	.....	9,009	8,535	474	.....	.....
Maintenance	.....	6,254	6,014	240	.....	.....
All other (includes management and all secretarial and clerical)	.....	18,503	16,387	2,116	.....	.....

- * Estimates, not made for all categories, are based on sample representing 88 per cent of the average daily census in registered hospitals in this area.
- ** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

SOUTH ATLANTIC

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS•	REPORTING HOSPITALS			ALL HOSPITALS•	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	226,616	206,084	20,532	.....	.....
All professional and technical—Total	172,252	137,303	122,946	14,357	34,516	27,822
Nursing service						
Professional nurses	46,239	36,862	29,390	7,472	11,433	9,042
LPN's or vocational nurses	20,345	15,797	14,345	1,452	5,132	4,058
Surgical technical aide	2,844	2,315	2,176	139	567	448
Aides, orderlies, attendants	66,567	52,997	50,541	2,456	8,533	6,991
Diagnostic services						
Medical technologist	6,994	5,628	4,910	718	1,459	1,180
Laboratory assistants	1,772	1,411	1,257	154	383	307
Cytotechnologists	257	200	179	21	84	66
Histologic technicians	610	499	474	25	110	88
Electrocardiographic technicians	788	637	563	74	125	103
Electroencephalographic technicians	**	179	163	16	**	64
Therapeutic services						
Occupational therapists	405	326	306	20	232	208
Occupational therapy assistants	412	322	304	18	185	163
Physical therapists	834	700	626	74	315	251
Physical therapy assistants	652	537	498	39	128	102
Social workers	1,075	884	840	44	468	388
Social work assistants	208	156	149	7	41	38
Recreation therapists	377	315	303	12	161	148
Inhalation therapists	654	533	470	63	292	236
Speech pathologists and audiologists	115	103	76	27	79	71
Radiology						
Radiologic technologists	3,182	2,551	2,357	194	609	489
X-ray assistants	688	552	488	64	103	83
Radiation therapy technologists	**	138	134	4	**	27
Radiation therapy assistants	**	26	24	2	**	7
Medical records						
Medical record librarians	812	635	588	47	237	184
Medical record assistants	1,522	1,170	1,055	115	272	208
Dietary						
Dietitians	1,553	1,239	1,136	103	454	352
Food service managers	743	579	564	15	95	76
Pharmacy						
Pharmacists	1,125	916	711	205	233	185
Pharmacy assistants	953	787	676	111	148	119
All other professional and technical	10,526	8,309	7,643	666	2,638	2,140
Other hospital personnel—Total	.....	89,313	83,138	6,175	.....	.....
Food service workers	.....	23,926	21,850	2,076	.....	.....
Laundry	.....	5,217	5,101	116	.....	.....
Housekeeping	.....	16,137	15,677	460	.....	.....
Maintenance	.....	9,901	9,660	241	.....	.....
All other (includes management and all secretarial and clerical)	.....	34,132	30,850	3,282	.....	.....

•Estimates for division obtained by addition of state figures adjusted for nonreporting psychiatric hospitals in Delaware and Georgia.

••Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

DELAWARE

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	5,330	4,607	723	.....	.....
All professional and technical—Total	3,423	3,126	2,602	524	863	737
Nursing service						
Professional nurses	1,077	975	633	342	223	200
LPN's or vocational nurses	311	279	258	21	91	78
Surgical technical aide	38	35	35	0	9	5
Aides, orderlies, attendants	1,187	1,100	1,044	56	318	291
Diagnostic services						
Medical technologist	147	132	92	40	21	19
Laboratory assistants	36	34	27	7	6	4
Cytotechnologists	**	4	4	0	**	1
Histologic technicians	**	18	12	6	**	1
Electrocardiographic technicians	**	7	6	1	**	3
Electroencephalographic technicians	**	7	6	1	**	1
Therapeutic services						
Occupational therapists	**	6	5	1	**	2
Occupational therapy assistants	**	15	15	0	**	6
Physical therapists	44	32	27	5	21	7
Physical therapy assistants	**	11	2	9	**	7
Social workers	**	15	15	0	**	10
Social work assistants	**	8	8	0	**	2
Recreation therapists	**	6	5	1	**	1
Inhalation therapists	**	15	13	2	**	4
Speech pathologists and audiologists	**	5	3	2	**	4
Radiology						
Radiologic technologists	62	57	53	4	17	11
X-ray assistants	**	16	14	2	**	2
Radiation therapy technologists	**	9	9	0	**	0
Radiation therapy assistants	**	0	0	0	**	0
Medical records						
Medical record librarians	**	14	14	0	**	5
Medical record assistants	**	13	13	0	**	2
Dietary						
Dietitians	**	23	20	3	**	4
Food service managers	**	11	10	1	**	2
Pharmacy						
Pharmacists	**	20	19	1	**	4
Pharmacy assistants	**	17	14	3	**	3
All other professional and technical	521	242	226	16	157	58
Other hospital personnel—Total	.....	2,204	2,005	199	.....	.....
Food service workers	.....	448	396	52	.....	.....
Laundry	.....	187	183	4	.....	.....
Housekeeping	.....	462	440	22	.....	.....
Maintenance	.....	264	248	16	.....	.....
All other (includes management and all secretarial and clerical)	.....	843	738	105	.....	.....

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*Estimates, not made for all categories, are based on sample representing 67 per cent of the average daily census in registered hospitals in this area excluding a 1,618-bed psychiatric hospital from which no questionnaire was received.

**Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

MARYLAND

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	33,841	30,527	3,314	.....	.....
All professional and technical—Total	25,746	19,741	17,279	2,462	4,911	3,937
Nursing service						
Professional nurses	6,767	4,955	3,510	1,445	1,517	1,157
LPN's or vocational nurses	2,852	2,014	1,836	178	699	560
Surgical technical aide	356	287	265	22	54	44
Aides, orderlies, attendants	9,655	7,850	7,586	264	1,335	1,122
Diagnostic services						
Medical technologist	1,088	819	670	149	246	193
Laboratory assistants	336	259	233	26	65	53
Cytotechnologists	63	46	41	5	23	17
Histologic technicians	111	83	75	8	15	12
Electrocardiographic technicians	114	85	75	10	16	13
Electroencephalographic technicians	**	21	20	1	**	9
Therapeutic services						
Occupational therapists	106	87	80	7	38	35
Occupational therapy assistants	109	91	86	5	15	14
Physical therapists	125	104	94	10	49	42
Physical therapy assistants	106	89	84	5	18	17
Social workers	323	266	242	24	109	92
Social work assistants	42	35	33	2	12	11
Recreation therapists	96	83	78	5	10	9
Inhalation therapists	92	66	59	7	35	27
Speech pathologists and audiologists	**	12	9	3	**	11
Radiology						
Radiologic technologists	453	346	303	43	100	79
X-ray assistants	95	75	68	7	11	9
Radiation therapy technologists	**	33	32	1	**	6
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	86	66	59	7	21	18
Medical record assistants	271	208	180	28	53	38
Dietary						
Dietitians	209	164	141	23	69	54
Food service managers	104	82	81	1	9	8
Pharmacy						
Pharmacists	178	141	113	28	29	23
Pharmacy assistants	140	114	101	13	14	12
All other professional and technical	1,869	1,260	1,125	135	349	252
Other hospital personnel—Total	.....	14,100	13,248	852	.....	.....
Food service workers	.....	3,907	3,576	331	.....	.....
Laundry	.....	725	706	19	.....	.....
Housekeeping	.....	2,564	2,472	92	.....	.....
Maintenance	.....	1,902	1,871	31	.....	.....
All other (includes management and all secretarial and clerical)	.....	5,002	4,623	379	.....	.....

* Estimates, not made for all categories, are based on sample representing 86 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

DISTRICT OF COLUMBIA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS•	REPORTING HOSPITALS			ALL HOSPITALS•	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	18,200	16,914	1,286	.....	.....
All professional and technical—Total	11,421	10,914	9,888	1,026	2,367	2,305
Nursing service						
Professional nurses	2,971	2,801	2,411	390	1,064	1,035
LPN's or vocational nurses	1,634	1,538	1,230	308	205	192
Surgical technical aide	151	141	107	34	21	20
Aides, orderlies, attendants	3,958	3,827	3,740	87	359	352
Diagnostic services						
Medical technologist	615	579	489	90	93	86
Laboratory assistants	35	33	32	1	11	10
Cytotechnologists	**	12	10	2	**	0
Histologic technicians	60	58	58	0	3	3
Electrocardiographic technicians	43	41	35	6	6	6
Electroencephalographic technicians	**	18	18	0	**	5
Therapeutic services						
Occupational therapists	63	62	60	2	78	78
Occupational therapy assistants	**	21	21	0	**	57
Physical therapists	84	80	78	2	24	24
Physical therapy assistants	33	32	31	1	5	5
Social workers	126	124	121	3	63	63
Social work assistants	**	7	7	0	**	0
Recreation therapists	29	29	29	0	65	65
Inhalation therapists	44	41	39	2	8	8
Speech pathologists and audiologists	42	41	37	4	19	19
Radiology						
Radiologic technologists	183	173	152	21	20	20
X-ray assistants	42	38	36	2	2	2
Radiation therapy technologists	**	21	21	0	**	1
Radiation therapy assistants	**	2	2	0	**	0
Medical records						
Medical record librarians	35	34	33	1	10	8
Medical record assistants	47	45	42	3	6	6
Dietary						
Dietitians	101	97	94	3	16	15
Food service managers	**	19	19	0	**	1
Pharmacy						
Pharmacists	84	80	70	10	6	6
Pharmacy assistants	59	56	50	6	6	6
All other professional and technical	982	864	816	48	277	212
Other hospital personnel—Total	.....	7,286	7,026	260	.....	.....
Food service workers	.....	1,827	1,738	89	.....	.....
Laundry	.....	455	454	1	.....	.....
Housekeeping	.....	1,269	1,261	8	.....	.....
Maintenance	.....	993	981	12	.....	.....
All other (includes management and all secretarial and clerical)	.....	2,742	2,592	150	.....	.....

• Estimates, not made for all categories, are based on sample representing 98 per cent of the average daily census in registered hospitals in this area.

•• Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

VIRGINIA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	34,845	31,461	3,384	.....	.....
All professional and technical—Total	26,147	21,768	19,315	2,453	4,996	4,325
Nursing service						
Professional nurses	6,687	5,614	4,371	1,243	1,235	1,047
LPN's or vocational nurses	3,161	2,587	2,389	198	750	634
Surgical technical aide	363	289	278	11	85	69
Aides, orderlies, attendants	10,806	8,989	8,508	481	1,359	1,184
Diagnostic services						
Medical technologist	971	812	693	119	183	153
Laboratory assistants	214	173	150	23	56	45
Cytotechnologists	30	26	26	0	8	7
Histologic technicians	77	69	68	1	11	9
Electrocardiographic technicians	106	88	70	18	17	14
Electroencephalographic technicians		34	28	6		8
Therapeutic services						
Occupational therapists	49	44	40	4	15	15
Occupational therapy assistants	94	75	68	7	28	25
Physical therapists	139	119	101	18	36	32
Physical therapy assistants	125	102	97	5	27	24
Social workers	127	115	113	2	51	45
Social work assistants	36	28	26	2	6	6
Recreation therapists	55	51	50	1	31	31
Inhalation therapists	71	60	49	11	32	28
Speech pathologists and audiologists	**	9	8	1	**	10
Radiology						
Radiologic technologists	463	387	349	38	77	65
X-ray assistants	98	81	68	13	12	11
Radiation therapy technologists	**	11	10	1	**	2
Radiation therapy assistants	**	4	4	0	**	0
Medical records						
Medical record librarians	127	103	96	7	36	29
Medical record assistants	260	202	180	22	39	29
Dietary						
Dietitians	229	197	182	15	34	29
Food service managers	91	74	70	4	10	9
Pharmacy						
Pharmacists	159	136	85	51	30	26
Pharmacy assistants	166	133	105	28	42	30
All other professional and technical	1,443	1,156	1,033	123	786	709
Other hospital personnel—Total	.....	13,077	12,146	931	.....	.....
Food service workers	.....	3,781	3,425	356	.....	.....
Laundry	.....	756	745	12	.....	.....
Housekeeping	.....	2,278	2,179	99	.....	.....
Maintenance	.....	1,603	1,579	24	.....	.....
All other (includes management and all secretarial and clerical)	.....	4,658	4,218	440	.....	.....

* Estimates, not made for all categories, are based on sample representing 81 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

WEST VIRGINIA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS•	REPORTING HOSPITALS			ALL HOSPITALS•	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	13,781	12,581	1,200	.....	.....
All professional and technical—Total	11,658	8,458	7,603	855	2,690	1,984
Nursing service						
Professional nurses	3,192	2,309	1,834	475	910	666
LPN's or vocational nurses	1,416	979	894	85	444	315
Surgical technical aide	195	143	135	8	74	54
Aides, orderlies, attendants	4,774	3,485	3,353	132	776	586
Diagnostic services						
Medical technologist	420	301	280	21	83	60
Laboratory assistants	149	107	98	9	24	17
Cytotechnologists	**	10	8	2	**	7
Histologic technicians	28	20	19	1	8	6
Electrocardiographic technicians	69	50	44	6	4	2
Electroencephalographic technicians	**	10	9	1	**	4
Therapeutic services						
Occupational therapists	**	12	12	0	**	11
Occupational therapy assistants	**	8	8	0	**	9
Physical therapists	51	38	37	1	30	21
Physical therapy assistants	27	20	17	3	8	6
Social workers	43	35	33	2	42	34
Social work assistants	**	6	6	0	**	2
Recreation therapists	**	16	15	1	**	7
Inhalation therapists	30	21	18	3	15	10
Speech pathologists and audiologists	**	10	7	3	**	5
Radiology						
Radiologic technologists	236	169	160	9	35	26
X-ray assistants	39	28	27	1	3	2
Radiation therapy technologists	**	6	6	0	**	0
Radiation therapy assistants	**	0	0	0	**	0
Medical records						
Medical record librarians	53	38	35	3	21	13
Medical record assistants	76	54	53	1	2	2
Dietary						
Dietitians	123	87	81	6	57	40
Food service managers	59	39	39	0	3	3
Pharmacy						
Pharmacists	54	41	36	5	10	7
Pharmacy assistants	50	38	32	6	4	3
All other professional and technical	574	378	307	71	137	66
Other hospital personnel—Total	.....	5,323	4,978	345	.....	.....
Food service workers	.....	1,459	1,292	167	.....	.....
Laundry	.....	420	409	11	.....	.....
Housekeeping	.....	902	878	24	.....	.....
Maintenance	.....	619	588	31	.....	.....
All other (includes management and all secretarial and clerical)	.....	1,923	1,811	112	.....	.....

• Estimates, not made for all categories, are based on sample representing 78 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

NORTH CAROLINA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	31,874	29,695	2,179	.....	.....
All professional and technical—Total	25,098	19,228	17,743	1,485	4,281	3,157
Nursing service						
Professional nurses	6,993	5,143	4,399	744	1,564	1,140
LPN's or vocational nurses	2,694	1,947	1,789	158	652	454
Surgical technical aide	407	305	296	9	87	59
Aides, orderlies, attendants	9,371	7,461	7,147	314	765	578
Diagnostic services						
Medical technologist	937	704	657	47	193	149
Laboratory assistants	271	208	190	18	45	33
Cytotechnologists	54	38	37	1	9	7
Histologic technicians	100	73	71	2	8	6
Electrocardiographic technicians	69	52	48	4	8	5
Electroencephalographic technicians		32	30	2		6
Therapeutic services						
Occupational therapists	40	38	37	1	8	7
Occupational therapy assistants	54	51	50	1	25	24
Physical therapists	127	98	86	12	54	42
Physical therapy assistants	93	72	63	9	12	10
Social workers	113	103	98	5	76	70
Social work assistants	**	6	6	0	**	1
Recreation therapists	62	61	59	2	18	18
Inhalation therapists	36	26	24	2	45	32
Speech pathologists and audiologists	**	9	4	5	**	9
Radiology						
Radiologic technologists	500	370	355	15	102	76
X-ray assistants	99	74	67	7	11	8
Radiation therapy technologists	**	11	11	0	**	9
Radiation therapy assistants	**	5	5	0	**	2
Medical records						
Medical record librarians	158	114	107	7	45	32
Medical record assistants	257	191	177	14	37	30
Dietary						
Dietitians	276	210	200	10	90	63
Food service managers	149	110	107	3	28	19
Pharmacy						
Pharmacists	140	102	78	24	46	34
Pharmacy assistants	134	103	91	12	17	13
All other professional and technical	1,964	1,511	1,454	57	336	221
Other hospital personnel—Total	.....	12,646	11,952	694	.....	.....
Food service workers	.....	3,590	3,220	370	.....	.....
Laundry	.....	701	688	13	.....	.....
Housekeeping	.....	2,335	2,278	57	.....	.....
Maintenance	.....	1,340	1,299	41	.....	.....
All other (includes management and all secretarial and clerical)	.....	4,680	4,467	213	.....	.....

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* Estimates, not made for all categories, are based on sample representing 86 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

SOUTH CAROLINA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	16,885	14,588	2,297	.....	.....
All professional and technical—Total	11,941	9,898	8,942	956	2,831	2,362
Nursing service						
Professional nurses	3,193	2,598	2,114	484	1,020	831
LPN's or vocational nurses	1,349	1,059	986	73	416	326
Surgical technical aide	295	249	246	3	62	51
Aides, orderlies, attendants	4,683	3,966	3,728	238	754	672
Diagnostic services						
Medical technologist	400	320	287	33	85	71
Laboratory assistants	93	77	66	11	30	26
Cytotechnologists	**	15	13	2	**	4
Histologic technicians	27	21	20	1	2	2
Electrocardiographic technicians	43	36	30	6	11	10
Electroencephalographic technicians	**	10	10	0	**	2
Therapeutic services						
Occupational therapists	**	9	8	1	**	29
Occupational therapy assistants	**	10	10	0	**	14
Physical therapists	51	42	36	6	16	13
Physical therapy assistants	50	42	38	4	7	6
Social workers	52	51	50	1	16	15
Social work assistants	**	8	8	0	**	3
Recreation therapists	**	14	13	1	**	9
Inhalation therapists	35	28	25	3	27	21
Speech pathologists and audiologists	**	8	1	7	**	3
Radiology						
Radiologic technologists	194	160	154	6	24	21
X-ray assistants	33	27	23	4	13	13
Radiation therapy technologists	**	7	6	1	**	0
Radiation therapy assistants	**	2	2	0	**	2
Medical records						
Medical record librarians	65	52	49	3	12	11
Medical record assistants	103	87	78	9	18	15
Dietary						
Dietitians	94	77	71	6	34	27
Food service managers	54	45	43	2	5	5
Pharmacy						
Pharmacists	69	56	40	16	20	15
Pharmacy assistants	68	59	49	10	12	11
All other professional and technical	990	763	738	25	247	134
Other hospital personnel—Total	.....	6,987	5,646	1,341	.....	.....
Food service workers	.....	1,677	1,524	153	.....	.....
Laundry	.....	356	348	8	.....	.....
Housekeeping	.....	1,057	1,027	30	.....	.....
Maintenance	.....	679	655	24	.....	.....
All other (includes management and all secretarial and clerical)	.....	3,218	2,092	1,126	.....	.....

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* Estimates, not made for all categories, are based on sample representing 90 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

GEORGIA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
		REPORTING HOSPITALS				
	ALL HOSPITALS*	TOTAL	FULL-TIME	PART-TIME	ALL HOSPITALS*	REPORTING HOSPITALS
ALL CATEGORIES—TOTAL	.....	26,666	24,545	2,121	.....	.....
All professional and technical—Total	19,174	15,959	14,451	1,508	5,373	4,460
Nursing service						
Professional nurses	4,792	3,956	3,271	685	1,921	1,536
LPN's or vocational nurses	2,387	1,943	1,827	116	531	429
Surgical technical aide	449	372	359	13	53	43
Aides, orderlies, attendants	7,196	6,020	5,729	291	1,630	1,413
Diagnostic services						
Medical technologist	1,004	827	720	107	210	169
Laboratory assistants	207	174	160	14	86	72
Cytotechnologists	25	20	17	3	10	8
Histologic technicians	83	69	67	2	25	20
Electrocardiographic technicians	108	88	79	9	24	20
Electroencephalographic technicians	**	18	17	1	**	10
Therapeutic services						
Occupational therapists	**	20	19	1	**	12
Occupational therapy assistants	**	16	13	3	**	6
Physical therapists	76	70	66	4	40	34
Physical therapy assistants	75	67	64	3	14	13
Social workers	78	72	68	4	34	31
Social work assistants	32	28	27	1	9	9
Recreation therapists	27	25	25	0	6	6
Inhalation therapists	96	76	62	14	41	33
Speech pathologists and audiologists	**	4	3	1	**	6
Radiology						
Radiologic technologists	443	365	349	16	94	76
X-ray assistants	106	86	74	12	19	17
Radiation therapy technologists	**	19	19	0	**	4
Radiation therapy assistants	**	3	2	1	**	0
Medical records						
Medical record librarians	89	74	69	5	27	22
Medical record assistants	220	181	160	21	46	38
Dietary						
Dietitians	201	172	156	16	77	61
Food service managers	120	98	96	2	8	6
Pharmacy						
Pharmacists	169	139	107	32	35	28
Pharmacy assistants	122	103	89	14	29	25
All other professional and technical	1,069	854	737	117	406	313
Other hospital personnel—Total	.....	10,707	10,094	613	.....	.....
Food service workers	.....	2,700	2,516	184	.....	.....
Laundry	.....	853	812	41	.....	.....
Housekeeping	.....	2,161	2,097	64	.....	.....
Maintenance	.....	916	899	17	.....	.....
All other (includes management and all secretarial and clerical)	.....	4,077	3,770	307	.....	.....

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*Estimates, not made for all categories, are based on sample representing 49 per cent of the average daily census in registered hospitals in this area excluding a 12,000-bed psychiatric hospital from which no questionnaire was received.

**Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

FLORIDA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	45,194	41,166	4,028	.....	.....
All professional and technical—Total	34,228	28,211	25,123	3,088	5,506	4,556
Nursing service						
Professional nurses	10,293	8,511	6,847	1,664	1,754	1,430
LPN's or vocational nurses	4,388	3,451	3,136	315	1,306	1,070
Surgical technical aide	578	494	455	39	122	103
Aides, orderlies, attendants	12,393	10,299	9,706	593	943	793
Diagnostic services						
Medical technologist	1,392	1,134	1,022	112	339	280
Laboratory assistants	420	346	301	45	56	47
Cytotechnologists	34	29	23	6	18	15
Histologic technicians	104	88	84	4	33	29
Electrocardiographic technicians	225	190	176	14	35	29
Electroencephalographic technicians	**	29	25	4	**	19
Therapeutic services						
Occupational therapists	72	48	45	3	21	19
Occupational therapy assistants	42	35	33	2	8	8
Physical therapists	134	117	101	16	43	36
Physical therapy assistants	118	102	94	8	17	14
Social workers	130	103	100	3	32	28
Social work assistants	54	30	28	2	4	4
Recreation therapists	31	30	29	1	4	4
Inhalation therapists	234	200	181	19	85	73
Speech pathologists and audiologists	**	5	4	1	**	4
Radiology						
Radiologic technologists	638	524	482	42	136	115
X-ray assistants	154	127	111	16	25	19
Radiation therapy technologists	**	21	20	1	**	5
Radiation therapy assistants	**	10	9	1	**	3
Medical records						
Medical record librarians	176	140	126	14	55	46
Medical record assistants	257	189	172	17	58	48
Dietary						
Dietitians	274	212	191	21	70	59
Food service managers	123	101	99	2	28	23
Pharmacy						
Pharmacists	243	201	163	38	50	42
Pharmacy assistants	188	164	145	19	18	16
All other professional and technical	1,533	1,281	1,215	66	246	175
Other hospital personnel—Total	.....	16,983	16,043	940	.....	.....
Food service workers	.....	4,537	4,163	374	.....	.....
Laundry	.....	763	756	7	.....	.....
Housekeeping	.....	3,109	3,045	64	.....	.....
Maintenance	.....	1,585	1,540	45	.....	.....
All other (includes management and all secretarial and clerical)	.....	6,989	6,539	450	.....	.....

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* Estimates, not made for all categories, are based on sample representing 81 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

EAST NORTH CENTRAL

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	356,714	296,550	60,164	.....	.....
All professional and technical—Total	273,560	219,300	177,256	42,044	50,769	39,398
Nursing service						
Professional nurses	72,455	58,743	37,835	20,908	13,782	11,115
LPN's or vocational nurses	26,084	20,841	17,390	3,451	7,201	5,577
Surgical technical aide	3,215	2,661	2,336	325	768	627
Aides, orderlies, attendants	103,534	82,131	72,203	9,928	16,600	12,494
Diagnostic services						
Medical technologist	10,958	8,906	7,004	1,902	1,872	1,523
Laboratory assistants	3,212	2,577	1,982	595	622	476
Cytotechnologists	291	236	199	37	88	75
Histologic technicians	770	631	581	50	107	90
Electrocardiographic technicians	1,127	939	797	142	141	117
Electroencephalographic technicians	**	322	281	41	**	53
Therapeutic services						
Occupational therapists	943	730	652	78	401	305
Occupational therapy assistants	658	493	455	38	180	131
Physical therapists	2,319	1,579	1,122	457	537	432
Physical therapy assistants	1,358	1,098	946	152	286	217
Social workers	2,241	1,773	1,620	153	1,012	770
Social work assistants	170	140	116	24	72	63
Recreation therapists	1,166	847	794	53	525	311
Inhalation therapists	1,314	1,085	904	181	535	445
Speech pathologists and audiologists	241	168	126	42	127	80
Radiology						
Radiologic technologists	4,831	3,909	3,468	441	741	601
X-ray assistants	1,286	1,037	854	183	149	120
Radiation therapy technologists	**	172	159	13	**	43
Radiation therapy assistants	**	23	21	2	**	6
Medical records						
Medical record librarians	1,217	962	826	136	319	254
Medical record assistants	2,028	1,652	1,340	312	284	223
Dietary						
Dietitians	2,284	1,851	1,498	353	627	498
Food service managers	1,162	863	830	33	214	152
Pharmacy						
Pharmacists	2,005	1,626	1,234	392	413	331
Pharmacy assistants	1,140	941	676	265	140	115
All other professional and technical	25,551	20,364	19,007	1,357	3,026	2,154
Other hospital personnel—Total	.....	137,414	119,294	18,120	.....	.....
Food service workers	.....	37,512	29,361	8,151	.....	.....
Laundry	.....	11,542	10,754	788	.....	.....
Housekeeping	.....	24,877	22,973	1,904	.....	.....
Maintenance	.....	15,068	14,393	675	.....	.....
All other (includes management and all secretarial and clerical)	.....	48,415	41,813	6,602	.....	.....

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*Estimates for division obtained by addition of state figures.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

OHIO

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
LL CATEGORIES—TOTAL	.....	87,379	74,003	13,376	.....	.....
ll professional and technical—Total	62,582	52,766	43,228	9,538	9,214	7,832
Nursing service						
Professional nurses	18,275	15,183	9,930	5,253	3,031	2,536
LPN's or vocational nurses	7,909	6,609	5,549	1,060	1,329	1,114
Surgical technical aide	747	617	545	72	185	151
Aides, orderlies, attendants	22,444	19,245	17,680	1,565	2,516	2,189
Diagnostic services						
Medical technologist	2,651	2,208	1,671	537	407	339
Laboratory assistants	785	658	505	153	108	92
Cytotechnologists	74	61	52	9	20	18
Histologic technicians	182	151	138	13	17	15
Electrocardiographic technicians	258	215	186	29	28	24
Electroencephalographic technicians	* *	81	69	12	* *	9
Therapeutic services						
Occupational therapists	152	134	118	16	74	68
Occupational therapy assistants	153	138	135	3	32	29
Physical therapists	334	279	231	48	111	96
Physical therapy assistants	322	264	238	26	21	18
Social workers	493	433	388	45	221	196
Social work assistants	44	39	37	2	20	18
Recreation therapists	234	210	203	7	38	33
Inhalation therapists	280	225	198	27	65	55
Speech pathologists and audiologists	29	26	14	12	12	11
Radiology						
Radiologic technologists	1,169	974	851	123	129	110
X-ray assistants	279	230	205	25	16	14
Radiation therapy technologists	* *	50	46	4	* *	4
Radiation therapy assistants	* *	3	3	0	* *	0
Medical records						
Medical record librarians	217	182	162	20	67	57
Medical record assistants	574	483	421	62	40	35
Dietary						
Dietitians	572	480	405	75	136	116
Food service managers	323	237	224	13	43	38
Pharmacy						
Pharmacists	394	329	274	55	63	54
Pharmacy assistants	299	249	200	49	35	29
All other professional and technical	3,389	2,773	2,550	223	450	364
Other hospital personnel—Total	.....	34,613	30,775	3,838	.....	.....
Food service workers	.....	9,377	7,770	1,607	.....	.....
Laundry	.....	2,863	2,740	123	.....	.....
Housekeeping	.....	6,469	6,144	325	.....	.....
Maintenance	.....	3,776	3,639	137	.....	.....
All other (includes management and all secretarial and clerical)	.....	12,128	10,482	1,646	.....	.....

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* Estimates, not made for all categories, are based on sample representing 87 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

INDIANA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	37,884	31,659	6,225	.....	.....
All professional and technical—Total	32,794	23,387	19,119	4,268	4,638	3,453
Nursing service						
Professional nurses	8,954	6,463	4,280	2,183	1,423	1,014
LPN's or vocational nurses	2,527	1,914	1,660	254	645	500
Surgical technical aide	454	367	340	27	111	80
Aides, orderlies, attendants	14,458	9,992	8,899	1,093	1,343	1,048
Diagnostic services						
Medical technologist	1,392	1,026	813	213	229	168
Laboratory assistants	409	287	219	68	62	38
Cytotechnologists	39	26	23	3	6	5
Histologic technicians	61	45	42	3	6	4
Electrocardiographic technicians	102	76	68	8	11	10
Electroencephalographic technicians	* *	30	30	0	* *	4
Therapeutic services						
Occupational therapists	62	40	33	7	31	22
Occupational therapy assistants	67	50	46	4	12	9
Physical therapists	140	100	82	18	45	32
Physical therapy assistants	171	135	122	13	16	13
Social workers	164	118	113	5	74	54
Social work assistants	* *	7	7	0	* *	3
Recreation therapists	150	109	102	7	29	23
Inhalation therapists	167	134	120	14	57	44
Speech pathologists and audiologists	* *	7	5	2	* *	6
Radiology						
Radiologic technologists	682	483	423	60	87	65
X-ray assistants	208	152	133	19	14	10
Radiation therapy technologists	* *	15	13	2	* *	5
Radiation therapy assistants	* *	3	2	1	* *	1
Medical records						
Medical record librarians	185	119	104	15	37	24
Medical record assistants	348	263	219	44	36	25
Dietary						
Dietitians	251	180	147	33	82	53
Food service managers	196	122	117	5	27	17
Pharmacy						
Pharmacists	257	179	127	52	48	36
Pharmacy assistants	156	120	92	28	8	6
All other professional and technical	1,194	825	738	87	199	134
Other hospital personnel—Total	.....	14,497	12,540	1,957	.....	.....
Food service workers	.....	3,978	3,093	885	.....	.....
Laundry	.....	1,204	1,084	120	.....	.....
Housekeeping	.....	2,586	2,351	235	.....	.....
Maintenance	.....	1,735	1,629	106	.....	.....
All other (includes management and all secretarial and clerical)	.....	4,994	4,383	611	.....	.....

* Estimates, not made for all categories, are based on sample representing 71 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

ILLINOIS

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS•	REPORTING HOSPITALS			ALL HOSPITALS•	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	119,874	102,069	17,805	.....	.....
All professional and technical—Total	95,286	74,088	62,194	11,894	18,338	12,619
Nursing service						
Professional nurses	23,569	19,003	12,734	6,269	4,462	3,460
LPN's or vocational nurses	6,393	4,677	4,225	452	2,548	1,721
Surgical technical aide	914	757	713	44	202	169
Aides, orderlies, attendants	32,808	24,811	21,926	2,885	6,349	3,966
Diagnostic services						
Medical technologist	3,696	2,975	2,410	565	536	423
Laboratory assistants	1,008	794	613	181	261	188
Cytotechnologists	94	79	64	15	26	20
Histologic technicians	274	225	208	17	46	38
Electrocardiographic technicians	394	328	278	50	50	41
Electroencephalographic technicians	* *	95	78	17	* *	21
Therapeutic services						
Occupational therapists	297	200	191	9	125	78
Occupational therapy assistants	281	182	169	13	52	27
Physical therapists	1,355	782	515	267	190	141
Physical therapy assistants	445	345	302	43	125	78
Social workers	929	687	659	28	439	293
Social work assistants	50	35	32	3	35	30
Recreation therapists	546	335	332	3	324	142
Inhalation therapists	531	445	385	60	223	184
Speech pathologists and audiologists	119	65	52	13	72	35
Radiology						
Radiologic technologists	1,533	1,239	1,127	112	234	187
X-ray assistants	399	326	257	69	49	38
Radiation therapy technologists	* *	53	48	5	* *	10
Radiation therapy assistants	* *	9	9	0	* *	2
Medical records						
Medical record librarians	413	326	291	35	97	74
Medical record assistants	512	410	349	61	129	98
Dietary						
Dietitians	772	611	508	103	198	152
Food service managers	282	207	200	7	83	47
Pharmacy						
Pharmacists	614	503	411	92	126	94
Pharmacy assistants	387	320	220	100	45	36
All other professional and technical	16,671	13,264	12,888	376	1,312	826
Other hospital personnel—Total	.....	45,786	39,875	5,911	.....	.....
Food service workers	.....	12,182	9,477	2,705	.....	.....
Laundry	.....	4,256	4,040	216	.....	.....
Housekeeping	.....	7,614	7,033	581	.....	.....
Maintenance	.....	5,256	5,014	242	.....	.....
All other (includes management and all secretarial and clerical)	.....	16,478	14,311	2,167	.....	.....

• Estimates, not made for all categories, are based on sample representing 78 per cent of the average daily census in registered hospitals in this area.

•• Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

MICHIGAN

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	72,343	60,792	11,551	.....	.....
All professional and technical—Total	54,602	44,684	36,043	8,641	13,125	10,833
Nursing service						
Professional nurses	13,526	10,956	6,870	4,086	3,250	2,691
LPN's or vocational nurses	6,905	5,605	4,535	1,070	1,853	1,522
Surgical technical aide	764	622	523	99	171	140
Aides, orderlies, attendants	21,644	17,815	16,107	1,708	4,703	3,896
Diagnostic services						
Medical technologist	2,104	1,712	1,387	325	414	341
Laboratory assistants	707	570	453	117	133	108
Cytotechnologists	56	45	40	5	24	23
Histologic technicians	172	138	127	11	22	19
Electrocardiographic technicians	264	224	197	27	41	32
Electroencephalographic technicians	* *	77	71	6	* *	16
Therapeutic services						
Occupational therapists	325	269	242	27	145	116
Occupational therapy assistants	81	65	61	4	54	43
Physical therapists	285	234	176	58	116	98
Physical therapy assistants	276	229	196	33	57	49
Social workers	506	412	347	65	222	182
Social work assistants	49	42	30	12	11	9
Recreation therapists	194	158	129	29	117	100
Inhalation therapists	195	156	129	27	118	97
Speech pathologists and audiologists	61	53	45	8	24	22
Radiology						
Radiologic technologists	917	747	679	68	223	179
X-ray assistants	298	241	199	42	49	41
Radiation therapy technologists	* *	38	37	1	* *	21
Radiation therapy assistants	* *	5	4	1	* *	3
Medical records						
Medical record librarians	235	189	157	32	74	61
Medical record assistants	414	337	252	85	53	42
Dietary						
Dietitians	398	327	265	62	146	121
Food service managers	225	180	178	2	42	34
Pharmacy						
Pharmacists	508	412	283	129	112	91
Pharmacy assistants	196	160	115	45	32	27
All other professional and technical	3,297	2,666	2,209	457	916	709
Other hospital personnel—Total	.....	27,658	24,749	2,909	.....	.....
Food service workers	.....	7,514	6,188	1,326	.....	.....
Laundry	.....	2,033	1,950	83	.....	.....
Housekeeping	.....	5,364	5,087	277	.....	.....
Maintenance	.....	2,927	2,832	95	.....	.....
All other (includes management and all secretarial and clerical)	.....	9,820	8,692	1,128	.....	.....

* Estimates, not made for all categories, are based on sample representing 83 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

WISCONSIN

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	39,234	28,027	11,207	.....	.....
All professional and technical—Total	28,296	24,374	16,672	7,702	5,454	4,661
Nursing service						
Professional nurses	8,131	7,138	4,021	3,117	1,616	1,414
LPN's or vocational nurses	2,350	2,036	1,421	615	826	720
Surgical technical aide	336	298	215	83	99	87
Aides, orderlies, attendants	12,180	10,268	7,591	2,677	1,689	1,395
Diagnostic services						
Medical technologist	1,115	985	723	262	286	252
Laboratory assistants	303	268	192	76	58	50
Cytotechnologists	28	25	20	5	9	9
Histologic technicians	81	72	66	6	16	14
Electrocardiographic technicians	109	96	68	28	11	10
Electroencephalographic technicians	**	39	33	6	**	3
Therapeutic services						
Occupational therapists	107	87	68	19	26	21
Occupational therapy assistants	76	58	44	14	30	23
Physical therapists	205	184	118	66	75	65
Physical therapy assistants	144	125	88	37	67	59
Social workers	149	123	113	10	56	45
Social work assistants	**	17	10	7	**	3
Recreation therapists	42	34	28	6	17	13
Inhalation therapists	141	125	72	53	72	65
Speech pathologists and audiologists	**	17	10	7	**	6
Radiology						
Radiologic technologists	530	466	388	78	68	60
X-ray assistants	102	88	60	28	21	17
Radiation therapy technologists	**	16	15	1	**	3
Radiation therapy assistants	**	3	3	0	**	0
Medical records						
Medical record librarians	167	146	112	34	44	38
Medical record assistants	180	159	99	60	26	23
Dietary						
Dietitians	291	253	173	80	65	56
Food service managers	136	117	111	6	19	16
Pharmacy						
Pharmacists	232	203	139	64	64	56
Pharmacy assistants	102	92	49	43	20	17
All other professional and technical	1,059	836	622	214	174	121
Other hospital personnel—Total	.....	14,860	11,355	3,505	.....	.....
Food service workers	.....	4,461	2,833	1,628	.....	.....
Laundry	.....	1,186	940	246	.....	.....
Housekeeping	.....	2,844	2,358	486	.....	.....
Maintenance	.....	1,374	1,279	95	.....	.....
All other (includes management and all secretarial and clerical)	.....	4,995	3,945	1,050	.....	.....

* Estimates, not made for all categories, are based on sample representing 81 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

EAST SOUTH CENTRAL

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	89,327	81,237	8,090	.....	.....
All professional and technical—Total	69,672	54,672	49,429	5,243	15,892	13,016
Nursing service						
Professional nurses	15,024	11,527	9,360	2,167	4,213	3,266
LPN's or vocational nurses	10,062	7,452	6,947	505	3,102	2,471
Surgical technical aide	1,325	1,036	970	66	331	260
Aides, orderlies, attendants	27,125	22,012	21,016	996	4,500	4,040
Diagnostic services						
Medical technologist	2,916	2,242	1,889	353	600	461
Laboratory assistants	862	610	499	111	164	122
Cytotechnologists	94	74	70	4	26	20
Histologic technicians	278	234	226	8	40	32
Electrocardiographic technicians	313	241	215	26	48	46
Electroencephalographic technicians	**	58	54	4	**	10
Therapeutic services						
Occupational therapists	98	86	78	8	71	55
Occupational therapy assistants	145	138	129	9	58	50
Physical therapists	283	218	182	36	141	108
Physical therapy assistants	268	213	192	21	69	56
Social workers	388	334	283	51	168	152
Social work assistants	78	71	57	14	41	34
Recreation therapists	118	109	96	13	53	50
Inhalation therapists	366	281	266	15	149	108
Speech pathologists and audiologists	**	15	13	2	**	9
Radiology						
Radiologic technologists	1,377	1,050	977	73	246	195
X-ray assistants	459	340	305	35	55	44
Radiation therapy technologists	**	35	35	0	**	12
Radiation therapy assistants	**	6	6	0	**	10
Medical records						
Medical record librarians	438	321	279	42	136	102
Medical record assistants	723	572	508	64	118	93
Dietary						
Dietitians	735	570	517	53	226	176
Food service managers	474	350	332	18	44	33
Pharmacy						
Pharmacists	473	364	299	65	119	94
Pharmacy assistants	390	309	238	71	50	43
All other professional and technical	4,860	3,804	3,391	413	1,124	864
Other hospital personnel—Total	.....	34,655	31,808	2,847	.....	.....
Food service workers	.....	9,817	8,077	1,740	.....	.....
Laundry	.....	2,306	2,232	74	.....	.....
Housekeeping	.....	6,409	6,240	169	.....	.....
Maintenance	.....	3,550	3,451	99	.....	.....
All other (includes management and all secretarial and clerical)	.....	12,573	11,808	765	.....	.....

*Estimates for division obtained by addition of state figures.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

KENTUCKY

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	25,422	21,972	3,450	.....	.....
All professional and technical—Total	17,987	14,918	13,039	1,879	3,254	2,720
Nursing service						
Professional nurses	4,382	3,534	2,701	833	829	665
LPN's or vocational nurses	1,894	1,539	1,396	143	1,010	834
Surgical technical aide	296	249	233	16	53	49
Aides, orderlies, attendants	7,332	6,156	5,761	395	630	551
Diagnostic services						
Medical technologist	812	667	527	140	98	83
Laboratory assistants	204	166	132	34	45	37
Cytotechnologists	**	20	19	1	**	3
Histologic technicians	122	115	114	1	4	4
Electrocardiographic technicians	95	77	64	13	13	17
Electroencephalographic technicians	**	13	12	1	**	1
Therapeutic services						
Occupational therapists	29	26	23	3	15	12
Occupational therapy assistants	29	28	20	8	12	11
Physical therapists	70	57	42	15	26	21
Physical therapy assistants	58	46	39	7	15	13
Social workers	148	126	103	23	40	39
Social work assistants	**	18	17	1	**	10
Recreation therapists	29	26	17	9	7	6
Inhalation therapists	64	55	54	1	32	27
Speech pathologists and audiologists	**	3	3	0	**	1
Radiology						
Radiologic technologists	374	305	282	23	52	45
X-ray assistants	92	74	69	5	20	18
Radiation therapy technologists	**	9	9	0	**	0
Radiation therapy assistants	**	3	3	0	**	0
Medical records						
Medical record librarians	125	92	85	7	28	23
Medical record assistants	235	199	176	23	22	20
Dietary						
Dietitians	196	162	139	23	53	45
Food service managers	106	82	79	3	8	7
Pharmacy						
Pharmacists	112	95	77	18	29	25
Pharmacy assistants	104	88	71	17	16	14
All other professional and technical	1,079	888	772	116	197	136
Other hospital personnel—Total	.....	10,504	8,933	1,571	.....	.....
Food service workers	.....	3,384	2,169	1,215	.....	.....
Laundry	.....	662	633	29	.....	.....
Housekeeping	.....	1,697	1,646	51	.....	.....
Maintenance	.....	901	878	23	.....	.....
All other (includes management and all secretarial and clerical)	.....	3,860	3,607	253	.....	.....

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* Estimates, not made for all categories, are based on sample representing 86 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

TENNESSEE

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	29,360	26,992	2,368	....	.....
All professional and technical—Total	23,613	18,358	16,728	1,630	5,346	4,366
Nursing service						
Professional nurses	4,473	3,410	2,811	599	1,608	1,275
LPN's or vocational nurses	4,040	2,987	2,769	218	923	728
Surgical technical aide	497	383	361	22	135	108
Aides, orderlies, attendants	5,814	7,139	6,907	232	1,305	1,130
Diagnostic services						
Medical technologist	1,034	792	677	115	249	194
Laboratory assistants	312	198	162	36	51	39
Cytotechnologists	44	33	31	2	16	12
Histologic technicians	83	64	61	3	22	17
Electrocardiographic technicians	101	76	68	8	17	15
Electroencephalographic technicians	**	22	20	2	**	2
Therapeutic services						
Occupational therapists	37	32	29	3	25	20
Occupational therapy assistants	37	34	33	1	22	20
Physical therapists	113	87	77	10	45	36
Physical therapy assistants	121	93	83	10	29	23
Social workers	131	110	102	8	60	56
Social work assistants	26	23	23	0	4	4
Recreation therapists	43	38	37	1	21	20
Inhalation therapists	218	167	158	9	62	43
Speech pathologists and audiologists	**	6	5	1	**	2
Radiology						
Radiologic technologists	455	341	316	25	82	65
X-ray assistants	130	95	88	7	11	9
Radiation therapy technologists	**	10	10	0	**	9
Radiation therapy assistants	**	2	2	0	**	1
Medical records						
Medical record librarians	130	100	83	17	44	32
Medical record assistants	245	190	174	16	46	37
Dietary						
Dietitians	239	183	173	10	69	55
Food service managers	170	127	115	12	16	12
Pharmacy						
Pharmacists	185	138	103	35	34	27
Pharmacy assistants	114	88	62	26	111	10
All other professional and technical	1,821	1,390	1,188	202	439	365
Other hospital personnel—Total	.....	11,002	10,264	738	.....	.....
Food service workers	.....	2,898	2,582	316	.....	.....
Laundry	.....	765	742	23	.....	.....
Housekeeping	.....	2,144	2,070	74	.....	.....
Maintenance	.....	1,169	1,131	38	.....	.....
All other (includes management and all secretarial and clerical)	.....	4,026	3,739	287	.....	.....

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* Estimates, not made for all categories, are based on sample representing 87 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

ALABAMA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS•	REPORTING HOSPITALS			ALL HOSPITALS•	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
LL CATEGORIES—TOTAL	.....	23,092	21,371	1,721	.....	.....
ll professional and technical—Total	18,255	14,104	12,812	1,292	3,783	2,911
Nursing service						
Professional nurses	4,099	3,126	2,597	529	1,105	806
LPN's or vocational nurses	2,641	1,917	1,804	113	631	470
Surgical technical aide	364	284	257	27	83	59
Aides, orderlies, attendants	6,846	5,448	5,185	263	923	784
Diagnostic services						
Medical technologist	688	515	433	82	154	114
Laboratory assistants	284	207	170	37	41	29
Cytotechnologists	* *	15	14	1	* *	3
Histologic technicians	45	34	31	2	5	4
Electrocardiographic technicians	83	63	58	5	9	7
Electroencephalographic technicians	* *	17	16	1	* *	4
Therapeutic services						
Occupational therapists	* *	16	14	2	* *	12
Occupational therapy assistants	29	26	26	0	6	5
Physical therapists	62	47	39	8	49	36
Physical therapy assistants	65	54	51	3	17	14
Social workers	71	63	45	18	42	33
Social work assistants	25	25	12	13	5	5
Recreation therapists	* *	21	18	3	* *	17
Inhalation therapists	52	38	35	3	30	21
Speech pathologists and audiologists	* *	4	4	0	* *	5
Radiology						
Radiologic technologists	353	263	240	23	56	44
X-ray assistants	173	129	111	18	13	10
Radiation therapy technologists	* *	13	13	0	* *	1
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	113	82	68	14	45	34
Medical record assistants	168	133	111	22	42	30
Dietary						
Dietitians	200	153	138	15	64	47
Food service managers	112	83	80	3	15	11
Pharmacy						
Pharmacists	115	88	81	7	40	29
Pharmacy assistants	117	91	71	20	21	17
All other professional and technical	1,550	1,149	1,090	59	387	260
Other hospital personnel—Total	.....	8,988	8,559	429	.....	.....
Food service workers	.....	2,322	2,160	162	.....	.....
Laundry	.....	587	568	19	.....	.....
Housekeeping	.....	1,718	1,692	26	.....	.....
Maintenance	.....	985	959	26	.....	.....
All other (includes management and all secretarial and clerical)	.....	3,376	3,180	196	.....	.....

• Estimates, not made for all categories, are based on sample representing 89 per cent of the average daily census in registered hospitals in this area.

•• Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

MISSISSIPPI

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	11,453	10,902	551	.....	.....
All professional and technical—Total	9,817	7,292	6,850	442	3,509	3,019
Nursing service						
Professional nurses	2,070	1,457	1,251	206	671	520
LPN's or vocational nurses	1,487	1,009	978	81	538	439
Surgical technical aide	168	120	119	1	60	44
Aides, orderlies, attendants	4,133	3,269	3,163	106	1,642	1,575
Diagnostic services						
Medical technologist	382	268	252	16	99	70
Laboratory assistants	62	39	85	4	27	17
Cytotechnologists	**	6	6	0	**	2
Histologic technicians	28	21	20	1	9	7
Electrocardiographic technicians	34	25	25	0	9	7
Electroencephalographic technicians	**	6	6	0	**	3
Therapeutic services						
Occupational therapists	**	12	12	0	**	11
Occupational therapy assistants	50	50	50	0	18	14
Physical therapists	38	27	24	3	21	15
Physical therapy assistants	**	20	19	1	**	6
Social workers	38	35	33	2	26	24
Social work assistants	**	5	5	0	**	15
Recreation therapists	**	24	24	0	**	7
Inhalation therapists	32	21	19	2	25	17
Speech pathologists and audiologists	**	2	1	1	**	1
Radiology						
Radiologic technologists	195	141	139	2	56	41
X-ray assistants	64	42	37	5	11	7
Radiation therapy technologists	**	3	3	0	**	2
Radiation therapy assistants	**	1	1	0	**	6
Medical records						
Medical record librarians	70	47	43	4	19	13
Medical record assistants	75	50	47	3	8	6
Dietary						
Dietitians	100	72	67	5	40	29
Food service managers	86	58	58	0	5	3
Pharmacy						
Pharmacists	61	43	38	5	16	13
Pharmacy assistants	55	42	34	8	2	2
All other professional and technical	589	377	341	36	207	103
Other hospital personnel—Total	.....	4,161	4,052	109	.....	.....
Food service workers	.....	1,213	1,166	47	.....	.....
Laundry	.....	292	289	3	.....	.....
Housekeeping	.....	850	832	18	.....	.....
Maintenance	.....	495	483	12	.....	.....
All other (includes management and all secretarial and clerical)	.....	1,311	1,282	29	.....	.....

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* Estimates, not made for all categories, are based on sample representing 85 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

WEST NORTH CENTRAL

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	....	159,460	126,894	32,566	.....	.....
All professional and technical—Total	115,743	98,636	76,738	21,898	21,419	18,587
Nursing service						
Professional nurses	31,594	27,085	18,031	9,054	5,960	5,116
LPN's or vocational nurses	11,479	9,802	8,111	1,691	3,246	2,742
Surgical technical aide	1,842	1,574	1,329	245	311	275
Aides, orderlies, attendants	47,424	40,191	33,285	6,906	6,846	6,116
Diagnostic services						
Medical technologist	4,271	3,615	2,775	840	638	549
Laboratory assistants	1,404	1,170	807	363	166	144
Cytotechnologists	102	84	77	7	31	28
Histologic technicians	259	222	203	19	43	39
Electrocardiographic technicians	439	373	286	87	51	45
Electroencephalographic technicians	**	136	106	30	**	38
Therapeutic services						
Occupational therapists	381	328	303	25	233	202
Occupational therapy assistants	339	293	224	69	110	100
Physical therapists	662	572	429	143	275	229
Physical therapy assistants	556	478	383	95	96	81
Social workers	865	694	533	161	325	286
Social work assistants	118	95	72	23	27	25
Recreation therapists	383	330	274	56	125	108
Inhalation therapists	387	325	263	62	157	131
Speech pathologists and audiologists	93	78	64	14	34	30
Radiology						
Radiologic technologists	1,938	1,643	1,425	218	248	197
X-ray assistants	470	402	290	112	57	50
Radiation therapy technologists	**	52	48	4	**	12
Radiation therapy assistants	**	15	11	4	**	3
Medical records						
Medical record librarians	645	544	417	127	195	163
Medical record assistants	818	688	540	148	143	118
Dietary						
Dietitians	1,160	980	724	256	399	335
Food service managers	653	554	475	79	76	68
Pharmacy						
Pharmacists	781	678	508	170	175	149
Pharmacy assistants	473	405	248	157	70	62
All other professional and technical	6,207	5,230	4,497	733	1,382	1,146
Other hospital personnel—Total	....	60,824	50,156	10,668	......	......
Food service workers	....	17,472	12,588	4,884	......	......
Laundry	....	5,140	4,468	672	......	......
Housekeeping	....	10,865	9,540	1,325	......	......
Maintenance	....	6,484	6,134	350	......	......
All other (includes management and all secretarial and clerical)	....	20,863	17,426	3,437	......	......

*Estimates for division obtained by addition of state figures.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

MINNESOTA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS•	REPORTING HOSPITALS			ALL HOSPITALS•	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	41,752	30,576	11,176	.....	.....
All professional and technical—Total	28,598	26,819	19,338	7,481	6,746	6,420
Nursing service						
Professional nurses	9,203	8,692	5,620	3,072	1,674	1,581
LPN's or vocational nurses	3,527	3,340	2,380	960	807	762
Surgical technical aide	349	334	293	41	110	106
Aides, orderlies, attendants	9,988	9,247	7,058	2,189	2,707	2,602
Diagnostic services						
Medical technologist	1,059	999	716	283	161	151
Laboratory assistants	346	330	227	103	45	44
Cytotechnologists	**	22	20	2	**	12
Histologic technicians	51	49	47	2	16	16
Electrocardiographic technicians	88	84	50	34	11	11
Electroencephalographic technicians	**	49	36	13	**	16
Therapeutic services	123	114	106	8	93	89
Occupational therapists	70	66	45	21	36	35
Occupational therapy assistants						
Physical therapists	170	161	118	43	87	82
Physical therapy assistants	145	140	110	30	35	34
Social workers	200	174	125	49	65	61
Social work assistants	**	6	4	2	**	5
Recreation therapists	100	88	67	21	37	34
Inhalation therapists	53	51	40	11	21	20
Speech pathologists and audiologists	**	13	12	1	**	14
Radiology						
Radiologic technologists	489	460	384	76	53	50
X-ray assistants	102	96	62	34	10	10
Radiation therapy technologists	**	18	17	1	**	4
Radiation therapy assistants	**	3	3	0	**	0
Medical records						
Medical record librarians	151	141	91	50	53	50
Medical record assistants	112	103	70	33	29	27
Dietary						
Dietitians	302	285	197	88	109	102
Food service managers	167	153	134	19	24	24
Pharmacy						
Pharmacists	186	176	136	40	41	39
Pharmacy assistants	54	52	29	23	14	14
All other professional and technical	1,563	1,373	1,141	232	508	425
Other hospital personnel—Total	.....	14,933	11,238	3,695	.....	.....
Food service workers	.....	4,293	2,668	1,625	.....	.....
Laundry	.....	1,122	922	200	.....	.....
Housekeeping	.....	1,449	1,376	73	.....	.....
Maintenance	.....	5,037	3,780	1,257	.....	.....
All other (includes management and all secretarial and clerical)	.....	663	646	17	.....	.....

• Estimates, not made for all categories, are based on sample representing 83 per cent of the average daily census in registered hospitals in this area.

•• Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

IOWA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
L CATEGORIES—TOTAL	.....	25,744	19,727	6,017	.....	.....
l professional and technical—Total	18,783	15,115	11,086	4,029	2,940	2,441
Nursing service						
Professional nurses	5,584	4,584	2,816	1,768	828	676
LPN's or vocational nurses	1,311	1,063	855	208	448	359
Surgical technical aide	432	365	275	90	61	52
Aides, orderlies, attendants	7,910	6,252	4,942	1,310	979	845
Diagnostic services						
Medical technologist	631	517	412	105	75	64
Laboratory assistants	146	118	82	36	22	17
Cytotechnologists	**	11	9	2	**	1
Histologic technicians	25	22	20	2	3	3
Electrocardiographic technicians	44	36	28	8	3	3
Electroencephalographic technicians	**	19	17	2	**	1
Therapeutic services						
Occupational therapists	61	44	42	2	28	19
Occupational therapy assistants	65	43	31	12	3	2
Physical therapists	122	101	76	25	34	28
Physical therapy assistants	112	95	78	17	10	9
Social workers	143	106	82	24	61	50
Social work assistants	26	17	12	5	2	2
Recreation therapists	68	53	42	11	24	15
Inhalation therapists	51	41	36	5	16	12
Speech pathologists and audiologists	**	9	6	3	**	0
Radiology						
Radiologic technologists	315	260	218	42	24	19
X-ray assistants	70	60	43	17	3	3
Radiation therapy technologists	**	7	7	0	**	1
Radiation therapy assistants	**	2	0	2	**	0
Medical records						
Medical record librarians	93	74	59	15	22	18
Medical record assistants	172	140	107	33	28	22
Dietary						
Dietitians	174	142	98	44	47	39
Food service managers	101	83	68	15	10	9
Pharmacy						
Pharmacists	122	101	64	37	29	23
Pharmacy assistants	85	71	32	39	3	3
All other professional and technical	920	679	529	150	177	146
Other hospital personnel—Total	.....	10,629	8,641	1,988	.....	.....
Food service workers	.....	2,902	1,976	926	.....	.....
Laundry	.....	1,128	1,005	123	.....	.....
Housekeeping	.....	1,908	1,660	248	.....	.....
Maintenance	.....	1,212	1,129	83	.....	.....
All other (includes management and all secretarial and clerical)	.....	3,479	2,871	608	.....	.....

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* Estimates, not made for all categories, are based on sample representing 82 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

MISSOURI

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	40,664	35,452	5,212	.....	.....
All professional and technical—Total	31,199	24,234	20,754	3,480	6,141	4,926
Nursing service						
Professional nurses	7,277	5,500	3,919	1,581	1,688	1,326
LPN's or vocational nurses	3,863	2,972	2,757	215	1,138	903
Surgical technical aide	450	338	301	37	67	52
Aides, orderlies, attendants	12,539	9,827	9,136	691	1,780	1,502
Diagnostic services						
Medical technologist	1,229	940	718	222	173	139
Laboratory assistants	512	370	245	125	34	27
Cytotechnologists	33	25	24	1	4	4
Histologic technicians	91	72	65	7	13	11
Electrocardiographic technicians	180	141	119	22	18	13
Electroencephalographic technicians	**	32	23	9	**	12
Therapeutic services						
Occupational therapists	95	80	71	9	59	47
Occupational therapy assistants	85	73	51	22	27	20
Physical therapists	177	144	112	32	56	36
Physical therapy assistants	121	95	73	22	27	19
Social workers	245	204	155	49	113	95
Social work assistants	49	38	33	5	14	12
Recreation therapists	77	67	48	19	29	25
Inhalation therapists	162	124	111	13	56	43
Speech pathologists and audiologists	41	34	29	5	11	10
Radiology						
Radiologic technologists	504	376	344	32	87	57
X-ray assistants	156	124	102	22	25	20
Radiation therapy technologists	**	16	14	2	**	2
Radiation therapy assistants	**	4	4	0	**	1
Medical records						
Medical record librarians	166	127	103	24	47	34
Medical record assistants	190	144	117	27	30	20
Dietary						
Dietitians	301	228	192	36	98	74
Food service managers	145	111	94	17	14	11
Pharmacy						
Pharmacists	230	184	140	44	32	23
Pharmacy assistants	161	126	74	52	18	15
All other professional and technical	2,120	1,718	1,580	138	483	373
Other hospital personnel—Total	.....	16,430	14,698	1,732	.....	.....
Food service workers	.....	4,404	3,665	739	.....	.....
Laundry	.....	1,119	1,067	52	.....	.....
Housekeeping	.....	2,843	2,744	99	.....	.....
Maintenance	.....	1,772	1,705	67	.....	.....
All other (includes management and all secretarial and clerical)	.....	6,292	5,517	775	.....	.....

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* Estimates, not made for all categories, are based on sample representing 85 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

NORTH DAKOTA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS•	REPORTING HOSPITALS			ALL HOSPITALS•	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
LL CATEGORIES—TOTAL	.....	6,911	5,590	1,321	.....	.....
ll professional and technical—Total	4,948	4,551	3,632	919	573	529
Nursing service						
Professional nurses	1,241	1,131	802	329	198	181
LPN's or vocational nurses	484	435	355	80	90	83
Surgical technical aide	66	61	56	5	10	9
Aides, orderlies, attendants	2,248	2,080	1,737	343	104	98
Diagnostic services						
Medical technologist	131	119	93	26	17	16
Laboratory assistants	47	43	28	15	4	4
Cytotechnologists	* *	1	1	0	* *	1
Histologic technicians	* *	6	5	1	* *	1
Electrocardiographic technicians	* *	10	8	2	* *	0
Electroencephalographic technicians	* *	1	1	0	* *	1
Therapeutic services						
Occupational therapists	* *	6	4	2	* *	8
Occupational therapy assistants	* *	7	7	0	* *	6
Physical therapists	* *	12	9	3	* *	10
Physical therapy assistants	* *	11	11	0	* *	1
Social workers	* *	18	18	0	* *	13
Social work assistants	* *	3	1	2	* *	0
Recreation therapists	* *	10	10	0	* *	7
Inhalation therapists	* *	5	2	3	* *	1
Speech pathologists and audiologists	0	0	0	0	0	0
Radiology						
Radiologic technologists	93	86	73	13	4	4
X-ray assistants	* *	16	9	7	* *	3
Radiation therapy technologists	* *	1	0	1	* *	1
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	32	29	19	10	13	12
Medical record assistants	40	37	25	12	9	8
Dietary						
Dietitians	45	41	33	8	16	14
Food service managers	44	41	34	7	5	5
Pharmacy						
Pharmacists	49	45	28	17	11	10
Pharmacy assistants	* *	18	15	3	* *	1
All other professional and technical	428	278	248	30	92	31
Other hospital personnel—Total	.....	2,360	1,958	402	.....	.....
Food service workers	.....	734	523	211	.....	.....
Laundry	.....	243	209	34	.....	.....
Housekeeping	.....	464	412	52	.....	.....
Maintenance	.....	270	258	12	.....	.....
All other (includes management and all secretarial and clerical)	.....	649	556	93	.....	.....

•Excluding a 135-Bed School Infirmary from which no questionnaire was received.

•• Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

SOUTH DAKOTA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	7,188	5,832	1,356	.....	.....
All professional and technical—Total	4,627	4,452	3,544	908	498	424
Nursing service						
Professional nurses	1,302	1,247	881	366	140	123
LPN's or vocational nurses	335	317	265	52	101	95
Surgical technical aide	96	91	69	22	8	8
Aides, orderlies, attendants	1,971	1,905	1,592	313	85	81
Diagnostic services						
Medical technologist	176	168	151	17	16	15
Laboratory assistants	30	28	21	7	5	5
Cytotechnologists	**	4	3	1	**	0
Histologic technicians	**	14	13	1	**	0
Electrocardiographic technicians	**	19	12	7	**	3
Electroencephalographic technicians	**	4	4	0	**	0
Therapeutic services						
Occupational therapists	**	19	19	0	**	6
Occupational therapy assistants	**	8	7	1	**	1
Physical therapists	29	28	23	5	15	14
Physical therapy assistants	26	25	19	6	1	1
Social workers	**	17	16	1	**	9
Social work assistants	**	4	3	1	**	1
Recreation therapists	**	17	17	0	**	2
Inhalation therapists	**	18	10	8	**	18
Speech pathologists and audiologists	**	4	3	1	**	1
Radiology						
Radiologic technologists	89	85	25	10	11	10
X-ray assistants	**	20	13	7	0	0
Radiation therapy technologists	**	2	2	0	0	0
Radiation therapy assistants	**	4	3	1	**	1
Medical records						
Medical record librarians	32	30	19	11	6	6
Medical record assistants	44	42	33	9	11	11
Dietary						
Dietitians	45	43	29	14	13	13
Food service managers	41	40	32	8	5	5
Pharmacy						
Pharmacists	33	32	25	7	11	11
Pharmacy assistants	27	26	20	6	4	4
All other professional and technical	353	191	165	26	66	20
Other hospital personnel—Total	.....	2,736	2,288	448	.....	.....
Food service workers	.....	813	589	224	.....	.....
Laundry	.....	284	233	51	.....	.....
Housekeeping	.....	470	396	74	.....	.....
Maintenance	.....	311	292	19	.....	.....
All other (includes management and all secretarial and clerical)	.....	858	778	80	.....	.....

* Estimates, not made for all categories, are based on sample representing 98 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

NEBRASKA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	14,366	11,009	3,357	.....	.....
All professional and technical—Total	11,394	9,178	6,900	2,278	2,266	1,822
Nursing service						
Professional nurses	3,042	2,386	1,511	875	747	608
LPN's or vocational nurses	757	589	495	94	319	237
Surgical technical aide	162	126	106	20	27	22
Aides, orderlies, attendants	5,200	4,293	3,349	944	623	509
Diagnostic services						
Medical technologist	488	372	278	94	98	75
Laboratory assistants	109	89	58	31	20	15
Cytotechnologists	**	11	11	-	**	4
Histologic technicians	33	26	22	4	6	4
Electrocardiographic technicians	29	23	17	6	5	4
Electroencephalographic technicians	**	13	10	3	**	5
Therapeutic services						
Occupational therapists	**	16	14	2	**	8
Occupational therapy assistants	36	34	33	1	33	32
Physical therapists	60	45	32	13	25	18
Physical therapy assistants	53	36	26	10	10	6
Social workers	95	55	53	2	28	26
Social work assistants	**	10	9	1	**	2
Recreation therapists	63	60	57	3	19	18
Inhalation therapists	**	14	8	6	**	10
Speech pathologists and audiologists	**	3	0	3	**	3
Radiology						
Radiologic technologists	190	146	119	27	35	26
X-ray assistants	41	30	18	12	7	5
Radiation therapy technologists	**	3	3	0	**	2
Radiation therapy assistants	**	2	1	1	**	1
Medical records						
Medical record librarians	61	46	39	7	19	13
Medical record assistants	99	81	59	22	12	9
Dietary						
Dietitians	130	97	69	28	58	43
Food service managers	72	56	49	7	15	11
Pharmacy						
Pharmacists	69	56	47	9	22	17
Pharmacy assistants	49	41	28	13	13	10
All other professional and technical	556	419	379	40	125	79
Other hospital personnel—Total	.....	5,188	4,109	1,079	.....	.....
Food service workers	.....	1,733	1,228	505	.....	.....
Laundry	.....	495	389	106	.....	.....
Housekeeping	.....	818	653	165	.....	.....
Maintenance	.....	541	500	41	.....	.....
All other (includes management and all secretarial and clerical)	.....	1,601	1,339	262	.....	.....

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* Estimates, not made for all categories, are based on sample representing 87 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

KANSAS

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	22,835	18,708	4,127	.....	.....
All professional and technical—Total	16,194	14,287	11,484	2,803	2,255	1,975
Nursing service						
Professional nurses	3,945	3,545	2,482	1,063	685	611
LPN's or vocational nurses	1,204	1,086	1,004	82	343	303
Surgical technical aide	287	259	229	30	28	26
Aides, orderlies, attendants	7,568	6,587	5,471	1,116	578	479
Diagnostic services						
Medical technologist	557	500	407	93	98	89
Laboratory assistants	214	192	146	46	36	32
Cytotechnologists	**	10	9	1	**	6
Histologic technicians	37	33	31	2	4	4
Electrocardiographic technicians	67	60	52	8	11	11
Electroencephalographic technicians	**	18	15	3	**	3
Therapeutic services						
Occupational therapists	56	49	47	2	30	25
Occupational therapy assistants	68	62	50	12	4	4
Physical therapists	91	81	59	22	47	41
Physical therapy assistants	87	76	66	10	12	11
Social workers	147	120	84	36	36	32
Social work assistants	**	17	10	7	**	3
Recreation therapists	48	35	23	2	7	7
Inhalation therapists	78	72	56	16	31	27
Speech pathologists and audiologists	**	15	14	1	**	2
Radiology						
Radiologic technologists	258	230	212	18	34	31
X-ray assistants	63	56	43	13	9	9
Radiation therapy technologists	**	5	5	0	**	2
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	110	97	87	10	35	30
Medical record assistants	161	141	129	12	24	21
Dietary						
Dietitians	163	144	106	38	58	50
Food service managers	83	70	64	6	3	3
Pharmacy						
Pharmacists	92	84	68	16	29	26
Pharmacy assistants	78	71	50	21	17	15
All other professional and technical	732	572	455	117	106	72
Other hospital personnel—Total	.....	8,548	7,224	1,324	.....	.....
Food service workers	.....	2,593	1,939	654	.....	.....
Laundry	.....	749	643	106	.....	.....
Housekeeping	.....	1,330	1,183	147	.....	.....
Maintenance	.....	929	874	55	.....	.....
All other (includes management and all secretarial and clerical)	.....	2,947	2,585	362	.....	.....

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* Estimates, not made for all categories, are based on sample representing 90 per cent of the average daily census in registered hospitals in this are

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

WEST SOUTH CENTRAL

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
L CATEGORIES—TOTAL	....	134,624	122,184	12,440	......	......
l professional and technical—Total	105,142	84,126	74,780	9,346	22,066	17,985
Nursing service						
Professional nurses	21,370	17,441	14,278	3,163	7,081	5,840
LPN's or vocational nurses	18,487	14,859	13,623	1,236	4,666	3,716
Surgical technical aide	2,037	1,688	1,407	281	450	392
Aides, orderlies, attendants	38,785	29,970	28,143	1,827	4,516	3,554
Diagnostic services						
Medical technologist	4,429	3,539	2,922	617	819	678
Laboratory assistants	1,265	1,068	904	164	199	165
Cytotechnologists	85	71	66	5	40	33
Histologic technicians	274	225	216	9	67	59
Electrocardiographic technicians	529	428	379	49	98	83
Electroencephalographic technicians	**	131	115	16	**	28
Therapeutic services						
Occupational therapists	215	170	138	32	121	93
Occupational therapy assistants	289	201	158	43	75	56
Physical therapists	549	449	361	88	189	157
Physical therapy assistants	430	357	300	57	70	63
Social workers	651	504	422	82	227	184
Social work assistants	184	145	110	35	62	53
Recreation therapists	164	130	111	19	38	27
Inhalation therapists	634	519	421	98	268	223
Speech pathologists and audiologists	66	56	33	23	16	15
Radiology						
Radiologic technologists	2,080	1,709	1,588	121	342	286
X-ray assistants	689	557	498	59	105	88
Radiation therapy technologists	**	83	79	4	**	22
Radiation therapy assistants	**	15	15	0	**	13
Medical records						
Medical record librarians	618	493	396	97	208	171
Medical record assistants	867	722	606	116	174	142
Dietary						
Dietitians	1,140	929	800	129	361	296
Food service managers	563	445	408	37	94	78
Pharmacy						
Pharmacists	751	615	492	123	190	155
Pharmacy assistants	622	518	390	128	110	95
All other professional and technical	7,369	6,089	5,401	688	1,480	1,220
her hospital personnel—Total	....	50,498	47,404	3,094	.....	.....
Food service workers	....	13,490	12,110	1,380	.....	.....
Laundry	....	3,303	3,239	64	.....	.....
Housekeeping	....	9,361	8,994	367	.....	.....
Maintenance	....	5,576	5,400	176	.....	.....
All other (includes management and all secretarial and clerical)	....	18,768	17,661	1,107	.....	.....

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*Estimates for division obtained by addition of state figures adjusted for nonreporting psychiatric and tuberculosis hospitals in Arkansas.

Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

ARKANSAS

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	12,294	11,007	1,287	.....	.....
All professional and technical—Total	9,080	7,729	6,844	885	1,287	1,059
Nursing service						
Professional nurses	1,865	1,596	1,319	277	420	345
LPN's or vocational nurses	1,922	1,586	1,477	109	273	218
Surgical technical aide	168	144	120	24	25	21
Aides, orderlies, attendants	3,086	2,641	2,467	174	208	173
Diagnostic services						
Medical technologist	408	337	282	55	48	41
Laboratory assistants	107	90	78	12	15	12
Cytotechnologists	* *	6	5	1	* *	2
Histologic technicians	30	25	24	1	3	3
Electrocardiographic technicians	49	39	36	3	16	13
Electroencephalographic technicians	* *	18	16	2	* *	1
Therapeutic services						
Occupational therapists	* *	8	8	0	* *	5
Occupational therapy assistants	* *	13	13	0	* *	2
Physical therapists	42	37	33	4	19	15
Physical therapy assistants	52	46	41	5	6	5
Social workers	34	31	31	0	11	11
Social work assistants	* *	15	4	11	* *	12
Recreation therapists	* *	11	11	0	* *	1
Inhalation therapists	55	46	33	13	30	26
Speech pathologists and audiologists	* *	1	1	0	* *	1
Radiology						
Radiologic technologists	186	157	149	8	32	26
X-ray assistants	53	44	37	7	4	4
Radiation therapy technologists	* *	4	4	0	* *	1
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	78	64	50	14	20	17
Medical record assistants	48	40	36	4	6	5
Dietary						
Dietitians	69	59	49	10	40	32
Food service managers	59	48	45	3	12	10
Pharmacy						
Pharmacists	88	75	59	16	16	12
Pharmacy assistants	33	28	23	5	4	3
All other professional and technical	648	520	393	127	79	42
Other hospital personnel—Total	.....	4,565	4,163	402	.....	.....
Food service workers	.....	1,292	1,094	198	.....	.....
Laundry	.....	288	279	9	.....	.....
Housekeeping	.....	906	853	53	.....	.....
Maintenance	.....	494	479	15	.....	.....
All other (includes management and all secretarial and clerical)	.....	1,585	1,458	127	.....	.....

*Excluding a 3,483-bed psychiatric hospital and 2 tuberculosis hospitals from which no questionnaire was received.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

LOUISIANA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	23,148	21,575	1,573	.....	.....
All professional and technical—Total	18,414	13,579	12,299	1,280	3,714	3,220
Nursing service						
Professional nurses	3,829	2,794	2,282	512	1,276	1,161
LPN's or vocational nurses	2,250	1,635	1,490	145	785	650
Surgical technical aide	329	249	227	22	78	65
Aides, orderlies, attendants	8,013	5,858	5,665	193	488	408
Diagnostic services						
Medical technologist	956	683	579	104	136	104
Laboratory assistants	135	114	108	6	43	37
Cytotechnologists	**	15	13	2	**	11
Histologic technicians	36	27	27	0	9	8
Electrocardiographic technicians	97	70	65	5	24	20
Electroencephalographic technicians	**	16	14	2	**	5
Therapeutic services						
Occupational therapists	34	24	18	6	19	18
Occupational therapy assistants	56	37	21	16	14	12
Physical therapists	94	70	43	27	41	36
Physical therapy assistants	69	52	30	22	16	14
Social workers	139	108	85	23	71	64
Social work assistants	27	26	18	8	10	8
Recreation therapists	**	18	17	1	**	2
Inhalation therapists	53	39	26	13	31	26
Speech pathologists and audiologists	**	10	5	5	**	10
Radiology						
Radiologic technologists	390	293	278	15	76	63
X-ray assistants	145	105	96	9	24	19
Radiation therapy technologists	**	2	**	2	**	4
Radiation therapy assistants	**	**	**	**	**	2
Medical records						
Medical record librarians	99	73	52	21	18	16
Medical record assistants	136	108	85	23	30	24
Dietary						
Dietitians	180	134	113	21	41	32
Food service managers	122	88	84	4	9	6
Pharmacy						
Pharmacists	125	94	79	15	32	26
Pharmacy assistants	113	87	72	15	15	11
All other professional and technical	987	750	707	43	428	358
Other hospital personnel—Total	.....	9,569	9,276	293	.....	.....
Food service workers	.....	2,341	2,239	102	.....	.....
Laundry	.....	703	697	6	.....	.....
Housekeeping	.....	1,936	1,918	18	.....	.....
Maintenance	.....	1,402	1,381	21	.....	.....
All other (includes management and all secretarial and clerical)	.....	3,187	3,041	146	.....	.....

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* Estimates, not made for all categories, are based on sample representing 73 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

OKLAHOMA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	16,520	14,425	2,095	.....	.....
All professional and technical—Total	14,727	10,753	9,222	1,531	2,037	1,533
Nursing service						
Professional nurses	3,108	2,407	1,865	542	731	561
LPN's or vocational nurses	1,695	1,287	1,163	124	334	258
Surgical technical aide	318	244	190	54	29	23
Aides, orderlies, attendants	6,551	4,511	4,104	407	406	284
Diagnostic services						
Medical technologist	570	444	374	70	106	86
Laboratory assistants	143	111	83	28	30	24
Cytotechnologists	**	10	10	0	**	1
Histologic technicians	38	29	27	2	1	1
Electrocardiographic technicians	50	39	33	6	3	3
Electroencephalographic technicians	**	14	13	1	**	0
Therapeutic services						
Occupational therapists	**	9	9	0	**	13
Occupational therapy assistants	32	16	13	3	17	9
Physical therapists	74	56	43	13	28	22
Physical therapy assistants	71	54	45	9	5	5
Social workers	116	73	58	15	20	16
Social work assistants	**	18	18	0	**	5
Recreation therapists	**	10	6	4	**	6
Inhalation therapists	79	60	47	13	20	15
Speech pathologists and audiologists	27	22	7	15	1	1
Radiology						
Radiologic technologists	252	197	180	17	39	32
X-ray assistants	92	74	59	15	17	14
Radiation therapy technologists	**	12	12	0	**	3
Radiation therapy assistants	**	1	1	0	**	2
Medical records						
Medical record librarians	93	71	54	17	24	18
Medical record assistants	115	92	85	7	21	17
Dietary						
Dietitians	224	168	134	34	54	42
Food service managers	79	61	59	2	4	4
Pharmacy						
Pharmacists	104	82	68	14	19	15
Pharmacy assistants	90	69	45	24	9	8
All other professional and technical	806	512	417	95	119	45
Other hospital personnel—Total	.....	5,767	5,203	564	.....	.....
Food service workers	.....	1,664	1,410	254	.....	.....
Laundry	.....	413	395	18	.....	.....
Housekeeping	.....	1,030	907	123	.....	.....
Maintenance	.....	592	559	33	.....	.....
All other (includes management and all secretarial and clerical)	.....	2,068	1,932	136	.....	.....

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* Estimates, not made for all categories, are based on sample representing 62 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

TEXAS

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS•	REPORTING HOSPITALS			ALL HOSPITALS•	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	82,662	75,177	7,485	.....	.....
All professional and technical—Total	61,801	52,065	46,415	5,650	14,560	12,273
Nursing service						
Professional nurses	12,511	10,644	8,812	1,832	4,614	3,873
LPN's or vocational nurses	12,484	10,351	9,493	858	3,143	2,590
Surgical technical aide	1,216	1,051	870	181	317	283
Aides, orderlies, attendants	20,335	16,960	15,907	1,053	3,178	2,689
Diagnostic services						
Medical technologist	2,488	2,075	1,687	388	526	447
Laboratory assistants	872	753	635	118	108	92
Cytotechnologists	47	40	38	2	22	19
Histologic technicians	170	144	138	6	54	47
Electrocardiographic technicians	332	280	245	35	54	47
Electroencephalographic technicians	**	83	72	11	**	22
Therapeutic services						
Occupational therapists	150	129	103	26	69	57
Occupational therapy assistants	165	135	111	24	40	33
Physical therapists	334	286	242	44	100	84
Physical therapy assistants	234	205	184	21	43	39
Social workers	347	292	248	44	111	93
Social work assistants	103	86	70	16	32	28
Recreation therapists	107	91	77	14	21	18
Inhalation therapists	447	374	315	59	187	156
Speech pathologists and audiologists	26	23	20	3	3	3
Radiology						
Radiologic technologists	1,246	1,062	981	81	193	165
X-ray assistants	397	334	306	28	59	51
Radiation therapy technologists	**	65	63	2	**	14
Radiation therapy assistants	**	14	14	0	**	9
Medical records						
Medical record librarians	345	285	240	45	144	120
Medical record assistants	562	432	400	82	115	96
Dietary						
Dietitians	671	568	504	64	226	190
Food service managers	298	248	220	28	67	58
Pharmacy						
Pharmacists	430	364	286	78	122	102
Pharmacy assistants	386	334	250	84	81	73
All other professional and technical	5,098	4,307	3,884	423	931	775
Other hospital personnel—Total	.....	30,597	28,762	1,835	.....	.....
Food service workers	.....	8,193	7,367	826	.....	.....
Laundry	.....	1,899	1,868	31	.....	.....
Housekeeping	.....	5,489	5,316	173	.....	.....
Maintenance	.....	3,088	2,981	107	.....	.....
All other (includes management and all secretarial and clerical)	.....	11,928	11,230	698	.....	.....

• Estimates, not made for all categories, are based on sample representing 83 **per cent of the average daily census in registered hospitals in this area.**

•• Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

MOUNTAIN

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	70,112	59,549	10,563	.....	.....
All professional and technical—Total	51,078	43,539	36,212	7,327	7,567	6,628
Nursing service						
Professional nurses	14,828	12,617	9,426	3,191	2,211	1,898
LPN's or vocational nurses	6,063	5,169	4,471	698	1,520	1,360
Surgical technical aide	701	599	517	82	135	117
Aides, orderlies, attendants	17,423	14,843	13,089	1,754	1,514	1,361
Diagnostic services						
Medical technologist	2,225	1,837	1,479	358	286	240
Laboratory assistants	561	461	350	111	72	64
Cytotechnologists	43	35	32	3	23	20
Histologic technicians	144	122	116	6	16	13
Electrocardiographic technicians	227	200	167	33	27	23
Electroencephalographic technicians	**	75	66	9	**	6
Therapeutic services						
Occupational therapists	128	110	97	13	62	55
Occupational therapy assistants	119	104	100	4	36	33
Physical therapists	344	285	232	53	107	96
Physical therapy assistants	216	175	146	29	40	33
Social workers	393	352	298	54	134	118
Social work assistants	51	42	34	8	10	10
Recreation therapists	111	85	71	14	22	20
Inhalation therapists	259	223	192	31	78	65
Speech pathologists and audiologists	40	29	23	6	15	14
Radiology						
Radiologic technologists	1,088	934	821	113	117	103
X-ray assistants	233	191	140	51	57	44
Radiation therapy technologists	**	36	32	4	**	4
Radiation therapy assistants	**	3	2	1	**	0
Medical records						
Medical record librarians	308	258	217	41	102	85
Medical record assistants	471	407	315	92	66	60
Dietary						
Dietitians	531	453	358	95	144	120
Food service managers	270	218	206	12	36	31
Pharmacy						
Pharmacists	504	437	315	122	91	78
Pharmacy assistants	219	197	148	49	64	60
All other professional and technical	3,578	3,042	2,752	290	582	497
Other hospital personnel—Total	.....	26,573	23,337	3,236	.....	.....
Food service workers	.....	6,957	5,502	1,455	.....	.....
Laundry	.....	1,889	1,725	164	.....	.....
Housekeeping	.....	4,344	3,972	372	.....	.....
Maintenance	.....	3,044	2,884	160	.....	.....
All other (includes management and all secretarial and clerical)	.....	10,339	9,254	1,085	.....	.....

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*Estimates for division obtained by addition of state figures adjusted for nonreporting psychiatric hospital in Nevada and nonreporting long-term hospitals in Montana and Wyoming.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

MONTANA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	6,613	5,237	1,376	.....	.....
All professional and technical—Total	5,095	4,339	3,358	981	777	668
Nursing service						
Professional nurses	1,547	1,300	876	424	235	205
LPN's or vocational nurses	401	344	283	61	107	92
Surgical technical aide	99	88	76	12	24	21
Aides, orderlies, attendants	2,103	1,783	1,430	353	215	188
Diagnostic services						
Medical technologist	169	142	119	23	26	20
Laboratory assistants	50	43	33	10	6	5
Cytotechnologists	**	2	2	0	**	2
Histologic technicians	**	9	9	0	**	1
Electrocardiographic technicians	**	17	12	5	**	3
Electroencephalographic technicians	**	5	3	2	**	1
Therapeutic services						
Occupational therapists	**	4	3	1	**	1
Occupational therapy assistants	**	8	8	0	**	0
Physical therapists	27	23	19	4	6	6
Physical therapy assistants	28	22	18	4	5	4
Social workers	**	10	8	2	**	4
Social work assistants	**	3	3	0	**	0
Recreation therapists	**	1	1	0	**	0
Inhalation therapists	25	22	18	4	18	16
Speech pathologists and audiologists	0	0	0	0	1	1
Radiology						
Radiologic technologists	77	67	56	11	12	10
X-ray assistants	**	19	16	3	**	2
Radiation therapy technologists	**	2	2	0	**	1
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	41	34	26	8	14	11
Medical record assistants	46	41	31	10	7	7
Dietary						
Dietitians	44	39	32	7	20	16
Food service managers	44	34	31	3	4	3
Pharmacy						
Pharmacists	38	32	24	8	6	5
Pharmacy assistants	35	29	22	7	7	6
All other professional and technical	321	216	197	19	64	37
Other hospital personnel—Total	.....	2,274	1,879	395	.....	.....
Food service workers	.....	667	475	192	.....	.....
Laundry	.....	245	214	31	.....	.....
Housekeeping	.....	401	342	59	.....	.....
Maintenance	.....	260	241	19	.....	.....
All other (includes management and all secretarial and clerical)	.....	701	607	94	.....	.....

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* Excluding a 343-bed tuberculosis hospital from which no questionnaire was received.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

IDAHO

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	4,698	3,531	1,167	.....	.....
All professional and technical—Total	3,391	3,010	2,195	815	620	574
Nursing service						
Professional nurses	998	872	544	328	161	151
LPN's or vocational nurses	897	781	588	193	144	134
Surgical technical aide	47	46	39	7	3	3
Aides, orderlies, attendants	788	726	576	150	114	111
Diagnostic services						
Medical technologist	130	108	83	25	28	26
Laboratory assistants	31	26	15	11	9	9
Cytotechnologists	**	2	1	1	**	0
Histologic technicians	**	11	10	1	**	0
Electrocardiographic technicians	**	11	8	3	**	2
Electroencephalographic technicians	**	1	1	0	**	1
Therapeutic services						
Occupational therapists	**	4	2	2	**	7
Occupational therapy assistants	**	6	5	1	**	0
Physical therapists	**	18	10	8	**	14
Physical therapy assistants	**	8	7	1	**	2
Social workers	**	15	7	8	**	2
Social work assistants	0	0	0	0	0	0
Recreation therapists	**	1	1	0	**	2
Inhalation therapists	**	4	3	1	**	3
Speech pathologists and audiologists	**	2	1	1	**	1
Radiology						
Radiologic technologists	98	83	76	7	15	15
X-ray assistants	25	17	11	6	14	7
Radiation therapy technologists	**	1	1	0	**	0
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	**	20	15	5	**	13
Medical record assistants	40	39	23	16	4	4
Dietary						
Dietitians	**	21	11	10	**	15
Food service managers	33	31	29	2	2	2
Pharmacy						
Pharmacists	28	25	11	14	13	13
Pharmacy assistants	**	12	8	4	**	7
All other professional and technical	276	119	109	10	113	30
Other hospital personnel—Total	.....	1,688	1,336	352	.....	.....
Food service workers	.....	472	314	158	.....	.....
Laundry	.....	134	108	26	.....	.....
Housekeeping	.....	290	253	37	.....	.....
Maintenance	.....	209	190	19	.....	.....
All other (includes management and all secretarial and clerical)	.....	583	471	112	.....	.....

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* Estimates, not made for all categories, are based on sample representing 97 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

WYOMING

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	3,318	2,752	566	.....	.....
All professional and technical—Total	2,415	2,047	1,647	400	430	366
Nursing service						
Professional nurses	692	576	413	163	103	88
LPN's or vocational nurses	160	130	101	29	37	30
Surgical technical aide	44	38	19	19	13	12
Aides, orderlies, attendants	1,073	920	794	126	126	110
Diagnostic services						
Medical technologist	93	75	65	10	28	22
Laboratory assistants	**	14	11	3	**	2
Cytotechnologists	0	0	0	0	2	2
Histologic technicians	**	3	3	0	**	0
Electrocardiographic technicians	**	8	5	3	**	1
Electroencephalographic technicians	**	1	1	0	**	0
Therapeutic services						
Occupational therapists	**	7	7	0	**	2
Occupational therapy assistants	**	7	7	0	**	0
Physical therapists	**	17	14	3	**	7
Physical therapy assistants	**	9	8	1	**	1
Social workers	**	16	12	4	**	12
Social work assistants	**	8	8	0	**	2
Recreation therapists	**	11	11	0	**	1
Inhalation therapists	**	3	2	1	**	4
Speech pathologists and audiologists	0	0	0	0	2	2
Radiology						
Radiologic technologists	62	50	44	6	9	8
X-ray assistants	**	7	1	6	**	0
Radiation therapy technologists	0	0	0	0	0	0
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	**	8	6	2	**	11
Medical record assistants	**	18	13	5	**	3
Dietary						
Dietitians	**	18	15	3	**	21
Food service managers	29	23	20	3	1	1
Pharmacy						
Pharmacists	**	11	9	2	**	7
Pharmacy assistants	**	7	3	4	**	4
All other professional and technical	263	62	55	7	109	13
Other hospital personnel—Total	.....	1,271	1,105	166	.....	.....
Food service workers	.....	346	269	77	.....	.....
Laundry	.....	139	125	14	.....	.....
Housekeeping	.....	182	161	21	.....	.....
Maintenance	.....	215	205	10	.....	.....
All other (includes management and all secretarial and clerical)	.....	389	345	44	.....	.....

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*Estimates, not made for all categories, are based on sample representing 71 per cent of the average daily census in registered hospitals in this area excluding a 720-bed institution for mental retardation from which no questionnaire was received.

**Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

COLORADO

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	26,097	22,332	3,765	.....	.....
All professional and technical—Total	16,537	15,504	13,011	2,493	1,596	1,495
Nursing service						
Professional nurses	4,685	4,388	3,282	1,106	467	433
LPN's or vocational nurses	1,688	1,570	1,364	206	240	223
Surgical technical aide	137	127	109	18	22	21
Aides, orderlies, attendants	5,494	5,204	4,668	536	210	198
Diagnostic services						
Medical technologist	777	705	565	140	84	77
Laboratory assistants	146	134	106	28	20	19
Cytotechnologists	**	12	12	0	**	6
Histologic technicians	44	41	38	3	2	2
Electrocardiographic technicians	90	84	75	9	10	10
Electroencephalographic technicians	**	34	29	5	**	1
Therapeutic services						
Occupational therapists	63	58	51	7	18	18
Occupational therapy assistants	45	45	44	1	12	12
Physical therapists	147	134	108	26	46	44
Physical therapy assistants	77	70	55	15	13	12
Social workers	190	182	160	22	43	40
Social work assistants	**	10	8	2	**	0
Recreation therapists	45	37	35	2	5	5
Inhalation therapists	107	98	81	17	15	14
Speech pathologists and audiologists	**	21	18	3	**	6
Radiology						
Radiologic technologists	352	330	286	44	20	19
X-ray assistants	65	60	44	16	9	9
Radiation therapy technologists	**	18	16	2	**	0
Radiation therapy assistants	**	2	1	1	**	0
Medical records						
Medical record librarians	83	78	72	6	19	18
Medical record assistants	109	103	73	30	7	7
Dietary						
Dietitians	197	185	147	38	27	25
Food service managers	56	52	50	2	4	4
Pharmacy						
Pharmacists	154	145	104	41	24	20
Pharmacy assistants	64	62	47	15	24	23
All other professional and technical	1,722	1,515	1,363	152	255	229
Other hospital personnel—Total	.....	10,593	9,321	1,272	.....	.....
Food service workers	.....	2,739	2,142	597	.....	.....
Laundry	.....	692	637	55	.....	.....
Housekeeping	.....	1,543	1,419	124	.....	.....
Maintenance	.....	1,100	1,043	57	.....	.....
All other (includes management and all secretarial and clerical)	.....	4,519	4,080	439	.....	.....

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* **Estimates, not made for all categories, are based on sample representing 92 per cent of the average daily census in registered hospitals in this area.**

** **Included with all other professional and technical.**

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

NEW MEXICO

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	7,517	6,784	733	.....	.....
All professional and technical—Total	5,982	4,767	4,256	511	1,050	882
Nursing service						
Professional nurses	1,406	1,090	902	188	340	279
LPN's or vocational nurses	712	551	520	31	157	129
Surgical technical aide	116	94	90	4	24	19
Aides, orderlies, attendants	2,375	1,894	1,772	122	211	183
Diagnostic services						
Medical technologist	251	197	151	46	38	32
Laboratory assistants	71	64	60	4	18	16
Cytotechnologists	**	3	2	1	**	2
Histologic technicians	**	14	13	1	**	5
Electrocardiographic technicians	**	15	12	3	**	4
Electroencephalographic technicians	**	7	7	0	**	1
Therapeutic services						
Occupational therapists	**	9	7	2	**	5
Occupational therapy assistants	**	2	2	0	**	0
Physical therapists	26	19	17	2	6	5
Physical therapy assistants	**	16	12	4	**	3
Social workers	42	36	20	16	18	14
Social work assistants	**	8	6	2	**	7
Recreation therapists	**	14	3	11	**	3
Inhalation therapists	**	13	10	3	**	10
Speech pathologists and audiologists	**	1	1	0	**	**
Radiology						
Radiologic technologists	146	118	107	11	15	13
X-ray assistants	30	21	17	4	13	10
Radiation therapy technologists	**	2	2	0	**	0
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	62	46	38	8	9	7
Medical record assistants	79	69	54	15	28	25
Dietary						
Dietitians	62	49	38	11	20	16
Food service managers	36	28	27	1	16	13
Pharmacy						
Pharmacists	62	50	36	14	17	14
Pharmacy assistants	31	28	27	1	6	6
All other professional and technical	475	309	303	6	114	61
Other hospital personnel—Total	.....	2,750	2,528	222	.....	.....
Food service workers	.....	783	673	110	.....	.....
Laundry	.....	150	147	3	.....	.....
Housekeeping	.....	466	440	26	.....	.....
Maintenance	.....	307	300	7	.....	.....
All other (includes management and all secretarial and clerical)	.....	1,044	968	76	.....	.....

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* Estimates, not made for all categories, are based on sample representing 85 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

ARIZONA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	12,657	11,396	1,261	.....	.....
All professional and technical—Total	8,855	8,039	7,103	936	1,855	1,748
Nursing service						
Professional nurses	2,932	2,643	2,161	482	562	516
LPN's or vocational nurses	1,049	945	883	62	586	572
Surgical technical aide	107	98	94	4	24	22
Aides, orderlies, attendants	2,850	2,594	2,410	184	343	320
Diagnostic services						
Medical technologist	356	324	273	51	40	36
Laboratory assistants	81	73	62	11	10	9
Cytotechnologists	**	2	2	0	**	3
Histologic technicians	**	19	19	0	**	3
Electrocardiographic technicians	46	42	33	9	1	1
Electroencephalographic technicians	**	12	12	0	**	1
Therapeutic services						
Occupational therapists	**	19	18	1	**	18
Occupational therapy assistants	25	25	24	1	11	11
Physical therapists	44	40	38	2	12	12
Physical therapy assistants	30	27	26	1	8	8
Social workers	56	53	52	1	21	21
Social work assistants	**	7	7	0	**	1
Recreation therapists	**	10	9	1	**	2
Inhalation therapists	70	62	61	1	17	15
Speech pathologists and audiologists	**	2	2	0	**	3
Radiology						
Radiologic technologists	200	181	156	25	23	21
X-ray assistants	40	35	26	9	16	14
Radiation therapy technologists	**	5	4	1	**	0
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	46	42	38	4	17	15
Medical record assistants	75	69	63	6	10	9
Dietary						
Dietitians	81	75	66	9	19	17
Food service managers	31	28	28	0	6	6
Pharmacy						
Pharmacists	128	116	89	27	14	13
Pharmacy assistants	36	33	23	10	9	9
All other professional and technical	572	458	424	34	106	70
Other hospital personnel—Total	.....	4,618	4,293	325	.....	.....
Food service workers	.....	1,188	1,048	140	.....	.....
Laundry	.....	254	240	14	.....	.....
Housekeeping	.....	858	808	50	.....	.....
Maintenance	.....	602	578	24	.....	.....
All other (includes management and all secretarial and clerical)	.....	1,716	1,619	97	.....	.....

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* Estimates, not made for all categories, are based on sample representing 92 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

UTAH

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
LL CATEGORIES—TOTAL	.....	6,070	4,725	1,345	.....	.....
ll professional and technical—Total	5,559	3,838	2,897	941	977	764
Nursing service						
Professional nurses	1,689	1,122	745	377	262	178
LPN's or vocational nurses	811	559	462	97	218	166
Surgical technical aide	110	71	61	10	15	10
Aides, orderlies, attendants	1,600	1,152	908	244	240	223
Diagnostic services						
Medical technologist	296	195	146	49	35	23
Laboratory assistants	118	75	35	40	7	4
Cytotechnologists	**	12	11	1	**	5
Histologic technicians	26	17	16	1	2	1
Electrocardiographic technicians	**	14	14	0	**	1
Electroencephalographic technicians	**	10	10	0	**	1
Therapeutic services						
Occupational therapists	**	7	7	0	**	3
Occupational therapy assistants	**	11	10	1	**	8
Physical therapists	35	25	20	5	9	6
Physical therapy assistants	**	10	9	1	**	3
Social workers	45	38	37	1	26	24
Social work assistants	**	6	2	4	**	0
Recreation therapists	**	11	11	0	**	7
Inhalation therapists	26	16	12	4	5	3
Speech pathologists and audiologists	**	3	1	2	**	0
Radiology						
Radiologic technologists	95	65	58	7	20	14
X-ray assistants	35	22	15	7	2	1
Radiation therapy technologists	**	7	6	1	**	3
Radiation therapy assistants	**	1	1	0	**	0
Medical records						
Medical record librarians	29	19	15	4	12	8
Medical record assistants	54	38	35	3	6	4
Dietary						
Dietitians	76	51	36	15	12	8
Food service managers	**	14	13	1	**	2
Pharmacy						
Pharmacists	59	39	29	10	5	3
Pharmacy assistants	**	15	10	5	**	5
All other professional and technical	455	213	162	51	101	50
Other hospital personnel—Total	.....	2,232	1,828	404	.....	.....
Food service workers	.....	486	343	143	.....	.....
Laundry	.....	184	164	20	.....	.....
Housekeeping	.....	410	361	49	.....	.....
Maintenance	.....	247	227	20	.....	.....
All other (includes management and all secretarial and clerical)	.....	905	733	172	.....	.....

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* Estimates, not made for all categories, are based on sample representing 77 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

NEVADA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	3,142	2,792	350	.....	.....
All professional and technical—Total	2,197	1,995	1,745	250	145	131
Nursing service						
Professional nurses	690	626	503	123	53	48
LPN's or vocational nurses	319	289	270	19	14	14
Surgical technical aide	40	37	29	8	10	9
Aides, orderlies, attendants	628	570	531	39	31	28
Diagnostic services						
Medical technologist	101	91	77	14	4	4
Laboratory assistants	35	32	28	4	0	0
Cytotechnologists	**	2	2	0	**	1
Histologic technicians	**	8	8	0	**	1
Electrocardiographic technicians	**	9	8	1	**	1
Electroencephalographic technicians	**	5	3	2	**	0
Therapeutic services						
Occupational therapists	**	2	2	0	**	1
Occupational therapy assistants	0	0	0	0	2	2
Physical therapists	**	9	6	3	**	2
Physical therapy assistants	**	13	11	2	**	0
Social workers	**	2	2	0	**	1
Social work assistants	0	0	0	0	0	0
Recreation therapists	0	0	0	0	0	0
Inhalation therapists	**	5	5	0	**	0
Speech pathologists and audiologists	0	0	0	0	1	1
Radiology						
Radiologic technologists	44	40	38	2	3	3
X-ray assistants	**	10	10	0	**	1
Radiation therapy technologists	**	1	1	0	**	0
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	**	11	7	4	**	2
Medical record assistants	33	30	23	7	1	0
Dietary						
Dietitians	**	15	13	2	**	2
Food service managers	**	8	8	0	**	0
Pharmacy						
Pharmacists	**	19	13	6	**	3
Pharmacy assistants	**	11	8	3	**	0
All other professional and technical	307	150	139	11	26	7
Other hospital personnel—Total	.....	1,147	1,047	100	.....	.....
Food service workers	.....	276	238	38	.....	.....
Laundry	.....	91	90	1	.....	.....
Housekeeping	.....	194	188	6	.....	.....
Maintenance	.....	104	100	4	.....	.....
All other (includes management and all secretarial and clerical)	.....	482	431	51	.....	.....

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*Estimates, not made for all categories, are based on sample representing 67 per cent of the average daily census in registered hospitals in this area excluding a 635-bed psychiatric hospital from which no questionnaire was received.

**Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

PACIFIC

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	188,658	163,083	25,575	.....	.....
All professional and technical—Total	158,395	120,753	102,876	17,877	25,236	18,889
Nursing service						
Professional nurses	47,854	36,783	28,444	8,339	7,681	5,780
LPN's or vocational nurses	17,331	13,439	12,074	1,365	3,071	2,386
Surgical technical aide	2,175	1,651	1,339	312	385	290
Aides, orderlies, attendants	56,802	42,856	39,310	3,546	8,003	5,952
Diagnostic services						
Medical technologist	6,938	5,319	4,405	914	856	637
Laboratory assistants	1,478	1,122	911	211	209	161
Cytotechnologists	185	141	122	19	42	31
Histologic technicians	377	290	260	30	48	35
Electrocardiographic technicians	752	573	452	121	103	75
Electroencephalographic technicians	**	172	144	28	**	28
Therapeutic services						
Occupational therapists	567	433	402	31	152	112
Occupational therapy assistants	166	125	98	27	58	42
Physical therapists	1,257	954	763	191	347	258
Physical therapy assistants	660	498	410	88	142	105
Social workers	1,324	1,006	822	184	542	402
Social work assistants	199	150	125	25	61	46
Recreation therapists	303	238	210	28	127	91
Inhalation therapists	596	448	337	111	149	115
Speech pathologists and audiologists	128	102	47	55	42	33
Radiology						
Radiologic technologists	3,092	2,365	2,041	324	342	261
X-ray assistants	699	521	424	97	90	65
Radiation therapy technologists	**	117	109	8	**	12
Radiation therapy assistants	**	17	14	3	**	2
Medical records						
Medical record librarians	855	645	503	142	183	138
Medical record assistants	1,192	880	662	218	254	185
Dietary						
Dietitians	1,487	1,152	939	213	284	207
Food service managers	580	439	400	39	126	95
Pharmacy						
Pharmacists	1,412	1,083	720	363	235	178
Pharmacy assistants	667	500	340	160	138	98
All other professional and technical	9,319	6,734	6,049	685	1,566	1,069
Other hospital personnel—Total	.....	67,905	60,207	7,698	.....	.....
Food service workers	.....	17,601	14,333	3,268	.....	.....
Laundry	.....	4,490	4,231	259	.....	.....
Housekeeping	.....	11,892	11,117	775	.....	.....
Maintenance	.....	7,553	7,215	338	.....	.....
All other (includes management and all secretarial and clerical)	.....	26,369	23,311	3,058	.....	.....

*Estimates for division obtained by addition of state figures.

**Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

WASHINGTON

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	24,056	19,590	4,466	.....	.....
All professional and technical—Total	17,705	15,345	12,197	3,148	1,951	1,674
Nursing service						
Professional nurses	6,015	5,134	3,658	1,476	571	473
LPN's or vocational nurses	3,108	2,692	2,311	381	525	465
Surgical technical aide	341	296	209	87	46	40
Aides, orderlies, attendants	4,542	4,053	3,560	493	367	329
Diagnostic services						
Medical technologist	775	655	503	152	66	53
Laboratory assistants	171	146	114	32	17	15
Cytotechnologists	34	26	23	3	9	7
Histologic technicians	43	37	34	3	6	5
Electrocardiographic technicians	80	68	52	16	8	8
Electroencephalographic technicians	**	17	15	2	**	6
Therapeutic services						
Occupational therapists	78	64	54	10	6	5
Occupational therapy assistants	**	20	17	3	**	6
Physical therapists	131	112	91	21	32	27
Physical therapy assistants	61	54	42	12	15	12
Social workers	116	106	67	39	38	35
Social work assistants	**	9	7	2	**	2
Recreation therapists	39	37	31	6	1	1
Inhalation therapists	57	50	36	14	7	6
Speech pathologists and audiologists	**	14	3	11	**	2
Radiology						
Radiologic technologists	361	301	248	53	28	24
X-ray assistants	87	76	54	22	4	3
Radiation therapy technologists	**	11	10	1	**	0
Radiation therapy assistants	**	2	2	0	**	0
Medical records						
Medical record librarians	79	66	54	12	19	15
Medical record assistants	123	105	78	27	10	9
Dietary						
Dietitians	211	179	138	41	40	32
Food service managers	74	61	56	5	12	10
Pharmacy						
Pharmacists	212	182	101	81	21	17
Pharmacy assistants	78	69	46	23	10	9
All other professional and technical	889	703	583	120	93	58
Other hospital personnel—Total	.....	8,711	7,393	1,318	.....	.....
Food service workers	.....	2,363	1,764	599	.....	.....
Laundry	.....	702	640	62	.....	.....
Housekeeping	.....	1,491	1,326	165	.....	.....
Maintenance	.....	979	932	47	.....	.....
All other (includes management and all secretarial and clerical)	.....	3,176	2,731	445	.....	.....

* Estimates, not made for all categories, are based on sample representing 91 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

OREGON

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	14.982	12,262	2,720	.....	.....
All professional and technical—Total	11,914	10,101	8,125	1,976	1,866	1,568
Nursing service						
Professional nurses	3,801	3,208	2,226	982	658	559
LPN's or vocational nurses	1,114	946	824	122	236	193
Surgical technical aide	126	113	85	28	22	20
Aides, orderlies, attendants	4,605	3,878	3,435	443	659	581
Diagnostic services						
Medical technologist	544	471	389	82	27	23
Laboratory assistants	104	80	60	20	11	9
Cytotechnologists	**	12	11	1	**	1
Histologic technicians	38	33	30	3	2	2
Electrocardiographic technicians	59	51	31	20	1	1
Electroencephalographic technicians	**	12	6	6	**	1
Therapeutic services						
Occupational therapists	**	20	19	1	**	6
Occupational therapy assistants	**	9	5	4	**	1
Physical therapists	77	66	49	17	20	18
Physical therapy assistants	62	50	39	11	5	5
Social workers	73	61	55	6	15	15
Social work assistants	0	0	0	0	1	1
Recreation therapists	**	17	17	0	**	2
Inhalation therapists	39	33	27	6	14	11
Speech pathologists and audiologists	25	23	3	20	2	2
Radiology						
Radiologic technologists	224	194	155	39	10	10
X-ray assistants	43	39	28	11	5	5
Radiation therapy technologists	**	7	7	0	**	1
Radiation therapy assistants	**	1	0	1	**	0
Medical records						
Medical record librarians	63	56	39	17	15	14
Medical record assistants	58	50	34	16	13	11
Dietary						
Dietitians	119	106	84	22	13	11
Food service managers	68	58	54	4	13	12
Pharmacy						
Pharmacists	77	66	39	27	16	14
Pharmacy assistants	**	12	6	6	**	3
All other professional and technical	595	429	368	61	108	36
Other hospital personnel—Total	.....	4,881	4,137	744	.....	.....
Food service workers	.....	1,366	1,016	350	.....	.....
Laundry	.....	335	291	44	.....	.....
Housekeeping	.....	834	766	68	.....	.....
Maintenance	.....	539	511	28	.....	.....
All other (includes management and all secretarial and clerical)	.....	1,807	1,553	254	.....	.....

* Estimates, not made for all categories, are based on sample representing 85 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

CALIFORNIA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	141,655	123,847	17,808	.....	.....
All professional and technical—Total	122,350	90,516	78,177	12,339	20,879	15,313
Nursing service						
Professional nurses	35,876	26,680	20,951	5,729	6,266	4,626
LPN's or vocational nurses	11,719	8,760	8,026	734	2,230	1,672
Surgical technical aide	1,618	1,180	984	196	312	226
Aides, orderlies, attendants	46,216	33,984	31,414	2,570	6,884	4,995
Diagnostic services						
Medical technologist	5,313	3,941	3,290	651	732	538
Laboratory assistants	1,152	855	702	153	172	130
Cytotechnologists	129	97	84	13	32	23
Histologic technicians	280	210	186	24	38	27
Electrocardiographic technicians	596	441	357	84	94	66
Electroencephalographic technicians	**	139	119	20	**	21
Therapeutic services						
Occupational therapists	424	321	303	18	129	95
Occupational therapy assistants	117	84	65	19	43	31
Physical therapists	991	734	586	148	286	209
Physical therapy assistants	505	373	308	65	113	85
Social workers	1,097	816	680	136	478	345
Social work assistants	176	134	112	22	58	43
Recreation therapists	241	182	161	21	124	88
Inhalation therapists	499	364	273	91	128	98
Speech pathologists and audiologists	88	65	41	24	37	29
Radiology						
Radiologic technologists	2,355	1,753	1,535	218	292	218
X-ray assistants	544	389	325	64	80	56
Radiation therapy technologists	**	90	83	7	**	10
Radiation therapy assistants	**	14	12	2	**	2
Medical records						
Medical record librarians	678	494	385	109	142	103
Medical record assistants	945	692	520	172	227	163
Dietary						
Dietitians	1,073	806	658	148	221	158
Food service managers	420	306	276	30	100	72
Pharmacy						
Pharmacists	1,077	799	554	245	189	140
Pharmacy assistants	527	389	260	129	116	82
All other professional and technical	7,694	5,424	4,927	497	1,371	1,021
Other hospital personnel—Total	.....	51,139	45,670	5,469	.....	.....
Food service workers	.....	13,092	10,840	2,252	.....	.....
Laundry	.....	3,225	3,082	143	.....	.....
Housekeeping	.....	9,093	8,564	529	.....	.....
Maintenance						
All other (includes management and all secretarial and clerical)	.....	20,048	17,755	2,293	.....	.....

* Estimates, not made for all categories, are based on sample representing 74 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

ALASKA

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	1,992	1,803	189	.....	.....
All professional and technical—Total	2,093	1,229	1,089	140	214	109
Nursing service						
Professional nurses	563	387	315	72	76	39
LPN's or vocational nurses	169	126	114	12	17	13
Surgical technical aide	44	19	19	0	2	1
Aides, orderlies, attendants	802	428	402	26	54	22
Diagnostic services						
Medical technologist	84	51	37	14	12	6
Laboratory assistants	**	12	12	0	**	2
Cytotechnologists	**	1	1	0	**	0
Histologic technicians	**	5	5	0	**	1
Electrocardiographic technicians	**	3	3	0	**	0
Electroencephalographic technicians	**	2	2	0	**	0
Therapeutic services						
Occupational therapists	**	2	2	0	**	1
Occupational therapy assistants	**	1	0	1	**	2
Physical therapists	**	7	6	1	**	1
Physical therapy assistants	**	6	6	0	**	0
Social workers	**	3	2	1	**	3
Social work assistants	**	4	4	0	**	0
Recreation therapists	**	1	0	1	**	0
Inhalation therapists	0	0	0	0	0	0
Speech pathologists and audiologists	0	0	0	0	0	0
Radiology						
Radiologic technologists	56	30	27	3	7	4
X-ray assistants	**	4	4	0	**	0
Radiation therapy technologists	0	0	0	0	0	0
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	**	10	7	3	**	1
Medical record assistants	52	24	22	2	0	0
Dietary						
Dietitians	**	13	12	1	**	3
Food service managers	**	8	8	0	**	0
Pharmacy						
Pharmacists	**	7	6	1	**	2
Pharmacy assistants	30	14	13	1	7	3
All other professional and technical	293	61	60	1	39	5
Other hospital personnel—Total	.....	763	715	48	.....	.....
Food service workers	.....	203	190	130	.....	.....
Laundry	.....	56	50	6	.....	.....
Housekeeping	.....	99	92	7	.....	.....
Maintenance	.....	132	129	3	.....	.....
All other (includes management and all secretarial and clerical)	.....	273	254	19	.....	.....

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* Estimates, not made for all categories, are based on sample representing 63 per cent of the average daily census in registered hospitals in this area.

** Included with all other professional and technical.

PERSONNEL IN HOSPITALS

Present Staff and Additional Needs; April 1966

See Introduction for methodology and for explanation of terms

HAWAII

CATEGORY OF PERSONNEL	PRESENT STAFF				ADDITIONAL NEEDS	
	ALL HOSPITALS*	REPORTING HOSPITALS			ALL HOSPITALS*	REPORTING HOSPITALS
		TOTAL	FULL-TIME	PART-TIME		
ALL CATEGORIES—TOTAL	.....	5,973	5,581	392	.....	.....
All professional and technical—Total	4,333	3,562	3,289	273	308	225
Nursing service						
Professional nurses	1,599	1,374	1,294	80	110	83
LPN's or vocational nurses	1,221	915	799	116	63	43
Surgical technical aide	46	43	42	1	3	3
Aides, orderlies, attendants	637	513	499	14	39	25
Diagnostic services						
Medical technologist	222	201	186	15	19	17
Laboratory assistants	29	29	23	6	5	5
Cytotechnologists	**	5	3	2	**	0
Histologic technicians	**	5	5	0	**	0
Electrocardiographic technicians	**	10	9	1	**	0
Electroencephalographic technicians	**	2	2	0	**	0
Therapeutic services						
Occupational therapists	40	26	24	2	8	5
Occupational therapy assistants	**	11	11	0	**	2
Physical therapists	47	35	31	4	7	3
Physical therapy assistants	**	15	15	0	**	3
Social workers	32	20	18	2	7	4
Social work assistants	**	3	2	1	**	0
Recreation therapists	**	1	1	0	**	0
Inhalation therapists	**	1	1	0	**	0
Speech pathologists and audiologists	0	0	0	0	0	0
Radiology						
Radiologic technologists	96	87	77	10	5	5
X-ray assistants	**	13	13	0	**	1
Radiation therapy technologists	**	9	9	0	**	1
Radiation therapy assistants	0	0	0	0	0	0
Medical records						
Medical record librarians	**	19	18	1	**	5
Medical record assistants	**	9	8	1	**	2
Dietary						
Dietitians	62	48	47	1	5	3
Food service managers	**	6	6	0	**	1
Pharmacy						
Pharmacists	32	29	20	9	7	5
Pharmacy assistants	**	16	15	1	**	1
All other professional and technical	293	117	111	6	39	8
Other hospital personnel—Total	.....	2,411	2,292	119	.....	.....
Food service workers	.....	577	523	54	.....	.....
Laundry	.....	172	168	4	.....	.....
Housekeeping	.....	375	369	6	.....	.....
Maintenance	.....	222	214	8	.....	.....
All other (includes management and all secretarial and clerical)	.....	1,065	1,018	47	.....	.....

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*Estimates, not made for all categories, are based on sample representing 60 per cent of the average daily census in registered hospitals in this area excluding a 782-bed psychiatric hospital from which no questionnaire was received.

**Included with all other professional and technical.

MOST URGENT PERSONNEL NEEDS

Five Categories Most Frequently Reported; All Reporting Hospitals

By Regions and by States within Regions

CATEGORY	NUMBER OF PERSONNEL NEEDED	PER CENT OF TOTAL
UNITED STATES		
All categories of need--total	116,106	100
Five most urgent needs--total	97,387	84
Nurses, R. N.	56,992	58
Aides, orderlies, & attendants	18,304	19
Nurses, L.P.N.	16,243	17
Medical technologists	3,369	3
Dietitians	2,479	2
NEW ENGLAND		
All categories of need--total	7,504	100
Five most urgent needs--total	5,719	76
Nurses, R.N.	2,879	50
Aides, orderlies, & attendants	1,365	24
Nurses, L.P.N.	1,066	19
Medical technologists	224	4
Social workers	185	3
MAINE		
All categories of need--total	536	100
Five most urgent needs--total	423	80
Nurses, R.N.	180	42
Aides, orderlies, & attendants	128	30
Nurses, L.P.N.	83	20
Medical technologists	20	5
Nuclear medicine assistants	12	3
NEW HAMPSHIRE		
All categories of need--total	375	100
Five most urgent needs--total	297	79
Nurses, R.N.	187	63
Aides, orderlies, & attendants	54	18
Nurses, L.P.N.	36	12
Social workers	10	3
Medical records librarians	10	3
VERMONT		
All categories of need--total	322	100
Five most urgent needs--total	247	77
Aides, orderlies, & attendants	93	38
Nurses, R.N.	92	37
Nurses, L.P.N.	48	19
Maintenance	10	4
Medical technologists	4	2
MASSACHUSETTS		
All categories of need--total	3,972	100
Five most urgent needs--total	2,853	72
Nurses, R.N.	1,528	54
Aides, orderlies, & attendants	551	19
Nurses, L.P.N.	534	19
Medical technologists	145	5
Social workers	95	3
RHODE ISLAND		
All categories of need--total	854	100
Five most urgent needs--total	742	87
Nurses, R.N.	281	38
Aides, orderlies, & attendants	253	34
Nurses, L.P.N.	172	23
Social workers	22	3
Physical therapists	14	2
CONNECTICUT		
All categories of need--total	1,445	100
Five most urgent needs--total	1,152	80
Nurses, R.N.	612	53
Aides, orderlies, & attendants	286	25
Nurses, L.P.N.	193	17
Social workers	33	3
Medical technologists	28	2

CATEGORY	NUMBER OF PERSONNEL NEEDED	PER CENT OF TOTAL
MIDDLE ATLANTIC		
All categories of need--total	35,632	100
Five most urgent needs--total	30,956	87
Nurses, R.N.	22,675	73
Aides, orderlies, & attendants	3,694	12
Nurses, L.P.N.	2,979	10
Medical technologists	820	3
Social workers	788	2
NEW YORK		
All categories of need--total	22,759	100
Five most urgent needs--total	19,053	84
Nurses, R.N.	15,828	83
Aides, orderlies, & attendants	1,160	6
Nurses, L.P.N.	1,047	5
Social workers	614	3
Medical technologists	404	2
NEW JERSEY		
All categories of need--total	3,333	100
Five most urgent needs-total	2,564	77
Nurses, R.N.	1,508	59
Aides, orderlies, & attendants	568	22
Nurses, L.P.N.	317	12
Medical technologists	114	4
Radiologic technologists	57	2
PENNSYLVANIA		
All categories of need--total	9,540	100
Five most urgent needs--total	8,203	86
Nurses, R.N.	4,146	50
Aides, orderlies, & attendants	1,966	24
Nurses, L.P.N.	1,678	20
Medical technologists	302	4
Social workers	111	1
SOUTH ATLANTIC		
All categories of need--total	15,593	100
Five most urgent needs--total	12,699	81
Nurses, R.N.	7,071	56
Nurses, L.P.N.	2,507	20
Aides, orderlies, & attendants	2,420	19
Medical technologists	576	4
Dietitians	125	1
DELAWARE		
All categories of need--total	360	100
Five most urgent needs--total	227	63
Nurses, R.N.	160	70
Nurses, L.P.N.	42	18
Medical technologists	10	4
Social workers	9	4
Clinical psychologists	6	3
MARYLAND		
All categories of need--total	2,386	100
Five most urgent needs--total	1,790	75
Nurses, R.N.	975	54
Aides, orderlies, & attendants	421	24
Nurses, L.P.N.	254	14
Medical technologists	122	7
Dietitians	18	1
DISTRICT OF COLUMBIA		
All categories of need--total	1,446	100
Five most urgent needs--total	1,145	79
Nurses, R.N.	910	79
Nurses, L.P.N.	81	7
Aides, orderlies, & attendants	71	6
Clerical	57	5
Medical technologists	26	2

MOST URGENT PERSONNEL NEEDS (CONTINUED)

Five Categories Most Frequently Reported; All Reporting Hospitals

By Regions and by States within Regions

CATEGORY	NUMBER OF PERSONNEL NEEDED	PER CENT OF TOTAL
VIRGINIA		
All categories of need--total	2,176	100
Five most urgent needs-total	1,446	66
Nurses, R.N.	922	64
Nurses, L.P.N.	231	16
Aides, orderlies, & attendants	217	15
Medical technologists	56	4
Radiologic technologists..........	20	1
WEST VIRGINIA		
All categories of need--total	902	100
Five most urgent needs--total	699	77
Nurses, R.N.	422	60
Nurses, L.P.N.	167	24
Aides, orderlies, & attendants	83	12
Medical technologists	17	2
Dietitians	10	1
NORTH CAROLINA		
All categories of need--total	2,063	100
Five most urgent needs--total	1,620	78
Nurses, R.N.	972	60
Nurses, L.P.N.	271	17
Aides, orderlies, & attendants	257	16
Medical technologists	92	6
Dietitians	28	2
SOUTH CAROLINA		
All categories of need--total	1,344	100
Five most urgent needs--total	1,072	80
Nurses, R.N.	515	48
Aides, orderlies, & attendants	287	27
Nurses, L.P.N.	211	20
Medical technologists	45	4
Dietitians	14	1
GEORGIA		
All categories of need--total	2,402	100
Five most urgent needs--total	1,436	60
Nurses, L.P.N.	710	49
Aides, orderlies, & attendants	350	24
Nurses, R.N.	306	21
Medical technologists	61	4
Dietitians	9	0
FLORIDA		
All categories of need--total	2,514	100
Five most urgent needs-total	2,126	84
Nurses, R.N.	1,293	61
Nurses, L.P.N.	400	19
Aides, orderlies, & attendants	253	12
Medical technologists	129	6
Radiologic technologists	51	2
EAST NORTH CENTRAL		
All categories of need--total	19,382	100
Five most urgent needs--total	15,875	82
Nurses, R.N.	7,792	49
Aides, orderlies, & attendants	4,436	28
Nurses, L.P.N.	2,763	17
Medical technologists	682	4
Physical therapists	201	1
OHIO		
All categories of need--total	4,901	100
Five most urgent needs--total	3,983	81
Nurses, R. N.	2,168	54
Aides, orderlies, & attendants	950	24
Nurses, L.P.N.	619	16
Medical technologists	186	5
Physical therapists	60	2

CATEGORY	NUMBER OF PERSONNEL NEEDED	PER CENT OF TOTAL
INDIANA		
All categories of need--total	2,147	100
Five most urgent needs--total	1,755	82
Nurses, R.N.	915	52
Aides, orderlies, & attendants	392	22
Nurses, L.P.N.	313	18
Medical technologists	111	6
Dietitians	24	1
ILLINOIS		
All categories of need--total	6,364	100
Five most urgent needs--total	2,548	40
Nurses, R. N.	2,131	84
Medical technologists	151	6
Clerical	139	5
Dietitians	76	3
Physical Therapists	51	2
MICHIGAN		
All categories of need--total	4,020	100
Five most urgent needs--total	3,200	80
Nurses, R.N.	1,681	53
Nurses, L.P.N.	798	25
Aides, orderlies, & attendants	552	17
Medical technologists	117	4
Physical therapists	52	2
WISCONSIN		
All categories of need--total	1,950	100
Five most urgent needs--total	1,649	84
Nurses, R.N.	807	49
Aides, orderlies, & attendants	367	22
Nurses, L.P.N.	333	20
Medical technologists	118	7
Physical therapists	24	1
EAST SOUTH CENTRAL		
All categories of need--total	6,088	100
Five most urgent needs--total	4,892	80
Nurses, R.N.	2,507	51
Nurses, L.P.N.	1,220	25
Aides, orderlies, & attendants	974	20
Medical technologists	136	3
Physical therapists	55	1
KENTUCKY		
All categories of need--total	2,053	100
Five most urgent needs--total	1,560	76
Nurses, R.N.	732	47
Aides, orderlies, & attendants	432	28
Nurses, L.P.N.	348	22
Dietitians	24	2
Radiologic technologists	24	2
TENNESSEE		
All categories of need--total	1,941	100
Five most urgent needs--total	1,629	84
Nurses, R.N.	839	52
Nurses, L.P.N.	526	32
Aides, orderlies, & attendants	215	13
Medical technologists	34	2
Medical record librarians	15	0
ALABAMA		
All categories of need--total	1,340	100
Five most urgent needs--total	1,067	79
Nurses, R. N.	612	57
Nurses, L.P.N.	231	22
Aides, orderlies, & attendants	151	14
Medical technologists	54	5
*Administrators	19	2

*Categories of urgent need were not restricted to those for which personnel data were requested; this is one of the additional categories named in the responses.

MOST URGENT PERSONNEL NEEDS (CONTINUED)

Five Categories Most Frequently Reported; All Reporting Hospitals

By Regions and by States within Regions

CATEGORY	NUMBER OF PERSONNEL NEEDED	PER CENT OF TOTAL
MISSISSIPPI		
All categories of need--total	752	100
Five most urgent needs--total	494	65
Nurses, R.N.	320	65
Nurses, L.P.N.	116	23
Medical technologists	27	5
Dietitians	19	4
Certified lab assistants	12	2
WEST NORTH CENTRAL		
All categories of need--total	11,246	100
Five most urgent needs--total	10,810	96
Nurses, R.N.	4,776	44
Aides, orderlies, & attendants	2,583	24
Nurses, L.P.N.	1,751	16
Dietitians	1,432	13
Medical technologists	268	2
MINNESOTA		
All categories of need--total	3,869	100
Five most urgent needs--total	1,549	40
Nurses, R.N.	925	60
Nurses, L.P.N.	453	29
Medical technologists	65	4
Physical therapists	59	4
Dietitians	47	3
IOWA		
All categories of need--total	1,212	100
Five most urgent needs--total	900	74
Nurses, R.N.	475	53
Nurses, L.P.N.	263	29
Aides, orderlies, & attendants	121	13
Dietitians	22	2
Physical therapists	19	2
MISSOURI		
All categories of need--total	2,944	100
Five most urgent needs--total	2,481	84
Nurses, R.N.	1,001	40
Aides, orderlies, & attendants	859	35
Nurses, L.P.N.	504	20
Medical technologists	77	3
Dietitians	40	2
NORTH DAKOTA		
All categories of need--total	431	100
Five most urgent needs--total	255	59
Nurses, R.N.	187	73
Nurses, L.P.N.	42	16
Dietitians	11	4
Physical therapists	8	3
Medical record librarians	7	3
SOUTH DAKOTA		
All categories of need--total	416	100
Five most urgent needs--total	298	72
Nurses, R.N.	152	51
Nurses, L.P.N.	83	28
Aides, orderlies, & attendants	46	15
Medical technologists	9	3
Radiologic technologists	8	3
NEBRASKA		
All categories of need--total	1,193	100
Five most urgent needs--total	1,005	84
Nurses, R.N.	513	51
Aides, orderlies, & attendants	267	27
Nurses, L.P.N.	175	17
Medical technologists	30	3
Dietitians	20	2

CATEGORY	NUMBER OF PERSONNEL NEEDED	PER CENT OF TOTAL
KANSAS		
All categories of need--total	1,181	100
Five most urgent needs--total	954	81
Nurses, R.N.	519	54
Nurses, L.P.N.	231	24
Aides, orderlies, & attendants	153	16
Dietitians	26	3
Physical therapists	25	3
WEST SOUTH CENTRAL		
All categories of need--total	9,338	100
Five most urgent needs--total	6,544	70
Nurses, R.N.	4,036	62
Nurses, L.P.N.	1,989	30
Medical technologists	317	5
Dietitians	124	2
Medical record librarians	78	1
ARKANSAS		
All categories of need--total	758	100
Five most urgent needs--total	641	85
Nurses, R.N.	361	56
Nurses, L.P.N.	151	24
Aides, orderlies, & attendants	88	14
Medical technologists	21	3
Dietitians	20	3
LOUISIANA		
All categories of need--total	2,008	100
Five most urgent needs--total	1,669	83
Nurses, R.N.	1,076	64
Nurses, L.P.N.	497	30
Medical technologists	57	3
Aides, orderlies, & attendants	29	2
Dietitians	10	1
OKLAHOMA		
All categories of need--total	1,022	100
Five most urgent needs--total	596	58
Nurses, R.N.	486	82
Medical technologists	47	8
Nurses, L.P.N.	31	5
Dietitians	19	3
Medical record librarians	13	2
TEXAS		
All categories of need--total	5,550	100
Five most urgent needs--total	3,871	69
Nurses, R.N.	2,383	62
Nurses, L.P.N.	1,167	30
Medical technologists	193	5
Dietitians	75	2
Medical record librarians	53	1
MOUNTAIN		
All categories of need--total	3,368	100
Five most urgent needs--total	2,344	69
Nurses, R.N.	1,452	62
Nurses, L.P.N.	612	26
Medical technologists	153	7
Dietitians	74	3
Medical record librarians	53	2
MONTANA		
All categories of need--total	299	100
Five most urgent needs--total	190	63
Nurses, R.N.	113	59
Nurses, L.P.N.	48	25
Medical technologists	12	6
Dietitians	11	6
Medical record librarians	6	3

MOST URGENT PERSONNEL NEEDS (CONTINUED)

Five Categories Most Frequently Reported; All Reporting Hospitals

By Regions and by States within Regions

CATEGORY	NUMBER OF PERSONNEL NEEDED	PER CENT OF TOTAL
IDAHO		
All categories of need--total	316	100
Five most urgent needs--total	252	79
Nurses, R.N.	109	43
Nurses, L.P.N.	104	41
Medical technologists	21	8
Dietitians	10	4
Medical record librarians	8	3
WYOMING		
All categories of need--total	174	100
Five most urgent needs--total	119	68
Nurses, R.N.	84	71
Medical technologists	15	13
Dietitians	8	7
Physical therapists	6	5
Medical record librarians	6	5
COLORADO		
All categories of need--total	898	100
Five most urgent needs--total	585	65
Nurses, R.N.	376	64
Nurses, L.P.N.	145	25
Medical technologists	31	5
Dietitians	19	3
Medical record librarians	14	2
NEW MEXICO		
All categories of need--total	404	100
Five most urgent needs--total	305	75
Nurses, R.N.	189	62
Nurses, L.P.N.	68	22
Medical technologists	20	7
*Physicians	16	5
Clerical	12	4
ARIZONA		
All categories of need--total	720	100
Five most urgent needs--total	569	79
Nurses, R.N.	309	54
Nurses, L.P.N.	116	20
Aides, orderlies, & attendants	113	20
Medical technologists	21	4
Social workers	10	2
UTAH		
All categories of need--total	361	100
Five most urgent needs--total	284	79
Nurses, R.N.	174	61
Nurses, L.P.N.	79	28
Medical technologists	24	8
Radiologic technologists	4	1
Dietitians	3	1
NEVADA		
All categories of need--total	196	100
Five most urgent needs-total	164	84
Nurses, R.N.	97	59
Nurses, L.P.N.	37	23
Dietitians	14	9
Medical technologists	9	5
X-ray technicians	7	4
PACIFIC		
All categories of need--total	7,955	100
Five most urgent needs--total	7,160	90
Nurses, R.N.	3,804	53
Aides, orderlies, & attendants	1,698	24
Nurses, L.P.N.	1,356	19
Medical technologists	192	3
Physical therapists	110	2

CATEGORY	NUMBER OF PERSONNEL NEEDED	PER CENT OF TOTAL
WASHINGTON		
All categories of need--total	1,278	100
Five most urgent needs--total	1,046	82
Nurses, R.N.	442	42
Nurses, L.P.N.	341	33
Aides, orderlies, & attendants	216	21
Medical technologists	30	3
Dietitians	17	2
OREGON		
All categories of need--total	732	100
Five most urgent needs--total	638	87
Nurses, R.N.	267	42
Aides, orderlies, & attendants	231	36
Nurses, L.P.N.	99	16
Clerical	33	5
Physical therapists	8	1
CALIFORNIA		
All categories of need--total	5,751	100
Five most urgent needs--total	4,232	74
Nurses, R.N.	3,045	72
Nurses, L.P.N.	910	22
Medical technologists	138	3
Physical therapists	82	2
Radiologic technologists	57	1
ALASKA		
All categories of need--total	55	100
Five most urgent needs--total	44	80
Nurses, R.N.	24	55
Aides, orderlies, & attendants	13	30
Dietitians	3	7
Medical record librarians	2	5
Anesthetists	2	5
HAWAII		
All categories of need--total	139	100
Five most urgent needs--total	103	74
Nurses, R.N.	57	55
Nurses, L.P.N.	27	26
Medical technologists	10	10
Radiologic technologists	5	5
Licensed pharmacists	4	4

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*Categories of urgent need were not restricted to those for which personnel data were requested; this is one of the additional categories named in the responses.

REPORTING HOSPITALS

Utilization Data for the Week and Year Ending April 23, 1966

GEOGRAPHIC AREA	HOSPITALS REPORTING	BEDS	ADMISSIONS		INPATIENT DAYS		NEWBORN DAYS		OUTPATIENT VISITS	
			WEEK	YEAR	WEEK	YEAR	WEEK	YEAR	WEEK	YEAR
United States	5,342	1,418,722	568,921	23,894,270	8,397,786	375,226,912	438,952	13,820,496	2,131,268	97,437,708
New England	325	102,370	31,082	1,484,097	709,460	30,869,051	78,930	1,044,336	116,450	5,584,619
Maine	47	8,672	2,442	120,734	51,154	2,654,218	1,265	72,740	11,086	559,260
New Hampshire	28	5,993	1,721	84,517	34,231	1,804,187	901	49,954	3,034	172,030
Vermont	22	4,117	1,027	50,524	41,521	1,271,146	547	27,386	1,769	88,307
Massachusetts	151	54,761	15,503	773,787	419,593	16,485,935	70,482	577,175	66,577	3,132,366
Rhode Island	23	8,528	2,485	118,390	46,238	2,466,953	1,527	82,531	10,618	529,158
Connecticut	54	20,299	7,904	336,145	116,723	6,186,612	4,208	234,550	23,366	1,103,498
Middle Atlantic	729	332,212	98,224	4,360,838	1,996,922	81,032,324	102,838	2,727,530	435,389	18,776,015
New York	345	176,039	44,897	2,066,449	1,028,139	38,029,539	24,731	1,292,301	280,971	10,389,777
New Jersey	112	45,068	20,075	737,685	238,506	12,661,624	11,034	484,673	53,503	2,290,163
Pennsylvania	272	111,105	33,252	1,556,704	730,277	30,341,161	67,073	950,556	100,915	6,096,075
South Atlantic	635	186,653	78,208	3,343,837	1,222,442	51,952,946	34,382	1,801,022	361,890	16,405,226
Delaware	12	3,758	1,088	58,900	21,355	1,128,284	651	33,893	7,451	365,693
Maryland	65	28,017	7,951	327,669	260,737	8,554,163	4,110	216,514	53,981	2,450,667
Dist. Columbia	19	15,062	4,045	183,193	87,714	3,486,686	3,344	145,511	32,274	1,330,179
Virginia	92	34,737	17,990	502,923	202,243	9,173,843	5,478	321,130	50,180	2,431,542
West Virginia	53	12,530	5,529	231,703	95,335	3,818,419	2,183	95,987	16,637	806,545
North Carolina	114	29,738	11,035	525,011	178,915	9,108,955	4,983	259,484	42,920	2,142,371
South Carolina	53	15,672	5,528	288,535	90,029	4,540,487	2,451	135,671	42,033	1,461,926
Georgia	93	17,526	10,285	509,441	100,556	4,994,668	4,623	257,723	54,542	2,683,128
Florida	134	29,613	14,752	716,462	185,558	7,147,441	6,559	335,109	61,872	2,733,175
East North Central	945	295,702	130,489	4,704,581	1,633,495	79,558,881	52,970	2,699,484	323,357	14,353,830
Ohio	213	74,541	23,281	1,164,635	402,441	21,143,930	13,270	714,316	76,451	3,433,181
Indiana	113	28,775	11,493	590,276	161,255	8,524,691	6,380	351,728	22,950	1,130,175
Illinois	262	104,114	62,886	1,414,951	481,350	22,773,879	15,401	722,524	111,101	4,426,640
Michigan	194	61,267	19,266	941,270	373,542	18,961,732	11,305	584,329	89,886	4,241,035
Wisconsin	163	27,005	13,563	593,449	214,907	8,154,649	6,614	326,587	22,969	1,122,799
East South Central	355	80,380	30,870	1,496,847	454,056	20,703,051	92,292	659,967	95,924	4,297,292
Kentucky	108	18,117	9,090	432,367	104,596	5,337,176	3,302	192,790	25,141	1,176,486
Tennessee	104	26,458	9,545	459,540	152,534	6,407,498	3,760	214,775	24,179	1,130,190
Alabama	88	22,952	7,318	395,309	142,695	4,588,630	3,444	176,042	29,097	1,317,969
Mississippi	55	12,853	4,917	209,631	54,231	3,275,747	81,786	76,360	17,507	672,647
West North Central	704	122,511	53,586	2,259,318	659,297	34,607,147	22,928	1,128,538	130,114	6,522,039
Minnesota	171	28,905	11,981	582,117	170,084	8,170,037	8,183	316,408	22,556	1,090,851
Iowa	102	18,713	7,360	367,714	101,381	5,186,152	3,397	188,475	15,589	747,077
Missouri	114	36,499	19,008	557,340	188,398	10,484,009	4,752	256,938	37,899	1,934,353
North Dakota	55	6,340	2,412	116,041	30,641	1,556,419	1,072	53,960	7,934	346,810
South Dakota	54	6,052	2,164	116,726	33,337	1,739,630	1,014	54,281	7,332	606,980
Nebraska	85	10,505	3,949	196,244	50,675	3,141,062	1,814	102,971	13,038	503,657
Kansas	123	15,497	6,712	323,136	84,781	4,329,838	2,696	155,505	25,766	1,292,311
West South Central	633	101,205	46,753	2,401,722	598,333	26,385,789	18,007	1,932,589	209,150	10,062,921
Arkansas	60	8,172	4,877	234,533	52,936	2,389,273	1,629	99,543	14,640	739,939
Louisiana	89	20,054	8,273	408,270	110,479	4,356,250	3,178	1,093,950	46,652	2,413,858
Oklahoma	95	10,915	5,727	287,954	62,018	2,884,443	2,208	131,961	23,783	1,053,432
Texas	389	62,064	27,876	1,470,965	372,900	16,755,823	10,992	607,135	124,075	5,855,692
Mountain	354	45,494	24,528	1,086,792	256,301	12,016,330	12,468	506,671	105,012	5,222,917
Montana	49	4,901	2,424	119,499	30,559	1,364,088	974	50,082	5,974	287,257
Idaho	46	3,306	1,782	87,819	15,795	830,752	857	39,721	5,703	189,362
Wyoming	24	2,747	822	48,408	14,749	781,525	605	18,845	2,419	122,879
Colorado	83	15,121	9,013	348,724	82,963	4,176,786	2,595	146,128	34,554	1,777,962
New Mexico	48	5,809	3,522	126,022	26,392	1,372,915	1,286	66,909	17,682	854,224
Arizona	65	8,221	4,001	204,609	53,727	2,012,558	4,575	106,204	27,412	1,432,833
Utah	26	3,781	1,866	92,578	20,021	1,009,738	1,056	51,089	6,165	317,525
Nevada	13	1,608	1,098	59,133	12,095	467,968	520	27,693	5,103	240,875
Pacific	662	152,195	75,181	2,756,238	867,480	38,101,393	24,137	1,320,359	353,982	16,212,849
Washington	106	16,806	7,577	401,142	80,959	4,626,771	2,978	159,213	30,206	1,622,524
Oregon	65	12,834	4,521	236,715	53,965	3,400,799	1,934	102,202	14,893	852,910
California	447	116,698	60,542	1,992,000	706,528	28,690,385	17,669	973,621	285,282	12,535,799
Alaska	18	1,142	675	34,105	6,167	302,013	479	21,715	6,883	351,488
Hawaii	26	4,715	1,866	92,276	19,861	1,081,425	1,077	63,608	16,718	850,128

APPENDIX B

SURVEY OF MANPOWER RESOURCES IN HOSPITALS

1966

Budget Bureau No. 68-6567
Approval Expires 6-30-66

A. HOSPITAL IDENTIFICATION

1-2	3-4	5	6	7-10		11-13	14-15		16-21

INSTRUCTIONS: From your hospital records please compile the information necessary to complete this questionnaire. Before answering any of the questions, please read the enclosed folder, "Instructions and Definitions for Completing the Survey of Manpower Resources in Hospitals." As you begin each new section of the questionnaire, reread the instructions and definitions applicable to that section.

B. HOSPITAL PERSONNEL

Read carefully the instructions and definitions applicable to this section before completing the schedule below. Record all data for the reporting week beginning 12:01 a.m. April 17, 1966 through midnight April 23, 1966. Enter zero (0) in each box where you have no personnel. COUNT EACH PERSON ONLY ONCE.

CATEGORY OF PERSONNEL	Column I Number of full-time employees	Column II Number of part-time employees	Column III Total hours worked by part-time employees week of 4/17/66 thru 4/23/66
PROFESSIONAL AND TECHNICAL	01-1	04-1	07-3
1.a. Dietitians meeting ADA qualifications			
b. Other dietitians			
2. Food service managers			
3.a. Medical technologists—ASCP registered			
b. Medical technologists—other registration or certification			
c. Other medical technologists (technicians)			
4.a. Cytotechnologists—ASCP registered			
b. Other cytotechnologists (cytotechnicians)			
5.a. Histologic technicians—ASCP registered			
b. Other histologic technicians			
6. Electrocardiograph technicians			
7. Electroencephalograph technicians			
8.a. Radiologic (X-ray) technologists (technicians)—ARRT registered			
b. Other radiologic (X-ray) technologists (technicians)			
9. X-ray assistants (including darkroom helpers)			
10.a. Nuclear medicine technologists (technicians)—ARRT registered			
b. Other nuclear medicine technologists (technicians)			
11. Nuclear medicine assistants			
12.a. Radiation therapy technologists (technicians)—ARRT registered			08-3
b. Other radiation therapy technologists (technicians)			
13. Radiation therapy assistants			
14.a. Certified laboratory assistants—ASCP certified			
b. Other laboratory assistants and aides			
15.a. Occupational therapists—AOTA registered			
b. Other occupational therapists			
16.a. Occupational therapy assistants—AOTA certified			
b. Other occupational therapy assistants and aides			
17.a. Physical therapists—qualified			
b. Other physical therapists			
18. Physical therapy assistants and aides			
19.a. Speech pathologists and audiologists—ASHA certified			
b. Other speech pathologists and audiologists			
20. Recreation therapists			
21.a. Inhalation therapists—AAIT registered			
b. Other inhalation therapists			
22. Licensed pharmacists			
23. Pharmacy assistants			
24.a. Medical librarians—MLA certified			
b. Other medical librarians			
25.a. Medical record librarians—AAMRL registered			09-3
b. Other medical record librarians			
26.a. Medical record technicians—AAMRL certified			
b. Other medical record technicians			
27.a. Social workers—master's degree in social work			
b. Other social workers—baccalaureate degree			
28. Social work assistants and aides—non AB or MA			
29. Orthoptic technicians			
30. Surgical technical aides (surgical technicians)			
31. Nurses, professional (not incl. in 1-30)	02-4	05-4	..4
32. Nurses, licensed practical or vocational (not incl. in 1-30)			
33. Nursing aides, orderlies, and attendants			
34. All other professional and technical personnel			
Total professional and technical (1-34)			
OTHER HOSPITAL PERSONNEL	03-3	06-3	10-4
35. Food service (not included in 1 and 2)			
36. Laundry			
37. Housekeeping (include floor maids)			
38. Maintenance			
39. All other a. Management			
b. Secretarial, clerical			
Total other hospital personnel (35-39)			
Grand total (1-39)	..4	..4	

PLEASE REVERSE ATTACHED CARBON PAPER BEFORE COMPLETING THIS PAGE

C. BUDGETED POSITIONS PRESENTLY VACANT AND ESTIMATED NEEDS FOR PROFESSIONAL AND TECHNICAL PERSONNEL

Read carefully the instructions applicable to this section. The definitions of the various types of personnel listed below may be found in the instruction booklet under Section B. If there are no positions presently vacant, or if there is no estimated need in these positions, enter a zero (0) in that box.

CATEGORY OF PERSONNEL	Column I Budgeted vacancies at end of reporting week.	Column II Estimated personnel needed to provide optimum care for present patient load, in addition to persons listed in Column I.	Column III Estimated personnel needed to provide optimum care for estimated patient load a year from reporting week, in addition to persons listed in Columns I and II.
PROFESSIONAL AND TECHNICAL	11-1	13-1	15-1
1.a. Dietitians meeting ADA qualifications			
b. Other dietitians			
2. Food service managers			
3.a. Medical technologists—ASCP registered			
	▨	▨	▨
c. Other medical technologists (technicians)			
4.a. Cytotechnologists—ASCP registered			
b. Other cytotechnologists (cytotechnicians)			
5.a. Histologic technicians—ASCP registered			
b. Other histologic technicians			
6. Electrocardiograph technicians			
7. Electroencephalograph technicians			
8.a. Radiologic (X-ray) technologists (technicians)—ARRT registered			
b. Other radiologic (X-ray) technologists (technicians)			
9. X-ray assistants (including darkroom helpers)			
10.a. Nuclear medicine technologists (technicians)—ARRT registered			
b. Other nuclear medicine technologists (technicians)			
11. Nuclear medicine assistants			
12.a. Radiation therapy technologists (technicians)—ARRT registered			
b. Other radiation therapy technologists (technicians)			
13. Radiation therapy assistants			
14.a. Certified laboratory assistants—ASCP certified			
b. Other laboratory assistants and aides			
15.a. Occupational therapists—AOTA registered			
b. Other occupational therapists			
16.a. Occupational therapy assistants—AOTA certified			
b. Other occupational therapy assistants and aides			
17.a. Physical therapists—qualified			
b. Other physical therapists			
18. Physical therapy assistants and aides			
19.a. Speech pathologists and audiologists—ASHA certified			
b. Other speech pathologists and audiologists			
20. Recreation therapists			
21.a. Inhalation therapists—AAIT registered			
b. Other inhalation therapists			
22. Licensed pharmacists			
23. Pharmacy assistants			
24.a. Medical librarians—MLA certified			
b. Other medical librarians			
25.a. Medical record librarians—AAMRL registered			
b. Other medical record librarians			
26.a. Medical record technicians—AAMRL certified			
b. Other medical record technicians			
27.a. Social workers—master's degree in social work			
b. Other social workers—baccalaureate degree			
28. Social work assistants and aides—non AB or MA			
29. Orthoptic technicians			
30. Surgical technical aides (surgical technicians)			
31. Nurses, professional (not incl. in 1-30)	12-3	14-3	16-4
32. Nurses, licensed practical or vocational (not incl. in 1-30)			
33. Nursing aides, orderlies, and attendants			
34. All other professional and technical personnel			

FIVE MOST URGENT MANPOWER NEEDS	Number
1.	16-6
2.	
3.	
4.	
5.	

Does your hospital have a salaried Director of Training (do not include Director of Medical Education or Department of Nursing Service inservice training staff)? Yes ☐ No ☐

D. BEDS AND UTILIZATION	Column I Figures for 12-month period ending 4/23/66 or ______ Specify date	Column II Figures for week beginning 12:01 a. m. 4/17/66 through midnight 4/23/66
1.a. Adult and pediatric bed capacity (set up and staffed for use as of reporting date)	▨	..5 1.a.
b. Newborn bed capacity (set up and staffed as of reporting date)	▨	b.
2. Inpatient a. Number of adult and pediatric admissions (excluding newborn)	17-6 2a.	2.a.
b. Total adult and pediatric days (excluding newborn days)	b.	b.
c. Total newborn days	c.	c.
3. Outpatient Total number of emergency and other outpatient visits, excluding those for laboratory tests or x-ray	3.	3.

______ Date of Completion

______ Signature

IF SIGNED BY PERSON OTHER THAN ADMINISTRATOR, GIVE TITLE ______

APPENDIX C

Budget Bureau No. 68-6567
Approval Expires 6-30-66

INSTRUCTIONS AND DEFINITIONS FOR COMPLETING SURVEY OF MANPOWER RESOURCES IN HOSPITALS

These instructions and definitions are designed to clarify sections of the questionnaire. All items are listed in the order in which they appear on the questionnaire, with the exception of Section C, "Budgeted Positions Presently Vacant and Estimated Needs for Professional and Technical Personnel," which utilizes the definitional material in Section B of this booklet.

GENERAL INSTRUCTIONS AND DEFINITIONS

The following applies to all sections of the questionnaire.

Personnel to be counted:

1. All full and part-time personnel, except those excluded below, who have worked in your institution during the reporting week, including members of religious orders, whether paid or unpaid. For the purpose of this survey, full-time personnel are those whose regularly scheduled work week is 35 or more hours in your institution. Part-time personnel are those whose regularly scheduled work week is less than 35 hours in your institution.
2. Personnel who are regular employees but who were absent temporarily during the reporting week because of sick leave, vacation, or attendance at a short-term training program, institute or convention.

Personnel to be excluded:

1. Physicians and dentists.
2. Volunteer workers.
3. Private duty nurses.
4. Persons in training, including student nurses, and other trainees enrolled in formal programs.
5. Personnel who terminated employment during the reporting week and were replaced during the reporting week.
6. Personnel who worked on an "on call" rather than a regularly scheduled basis to relieve certain regular employees who were absent during the reporting week.

SPECIFIC INSTRUCTIONS AND DEFINITIONS

Questionnaire Section B—Hospital Personnel

This section of the questionnaire requests information on 34 professional and technical positions and five (5) categories of other hospital personnel. Please read carefully the definitions of these positions on pages 2 to 4 in this booklet. In certain positions there is a registration or certification program available. In these there are two lines in which to record your personnel; one for registered or certified and one for non-registered or noncertified.

You are requested to report the number of full-time personnel, the number of part-time personnel and the total number of hours worked by these part-time personnel during the reporting week. For example: if you have four (4) pharmacists, two who work full-time and two who work part-time, you would report the two full-time personnel in Column I, the two part-time personnel in Column II, and the hours that the part-time personnel worked, during the reporting week, in Column III. *Record a particular employee only once whether he is full-time or part-time.* To avoid duplication in counting persons who may hold more than one position or responsibility, record the worker in the position in which the majority of his time (over 50%) is spent. The figure you report in the "grand total (1-39)" should equal the *total number* of employees—full-time and part-time—employed in your hospital during the reporting week, *minus the personnel excluded in accordance with the general instructions above.*

Definitions: Selected Professional and Technical Personnel

1. **Dietitian**—plans nutritionally adequate menus, including modified diets, and supervises the preparation and service of meals for patients and personnel. Report on 1.a. *only* those dietitians who meet the educational qualifications of the American Dietetic Association.

2. **Food service manager**—a person who has had experience in food service administration, and is designated as head of the hospital food service department.

3. **Medical technologist**—performs various chemical, bacteriological, seriological, and hematological tests. Report on line 3.a. *only* those medical technologists registered by the American Society of Clinical Pathologists. Report on line 3.b. *only* those medical technologists who are *not* registered by ASCP but who are registered or certified by other medical technology organizations.

4. **Cytotechnologist**—specially trained to search for abnormalities in human cells which might suggest cancer. Report on line 4.a. *only* those cytotechnologists registered by the American Society of Clinical Pathologists.

5. **Histologic technician**—specially trained in the preparation of thin sections of tissue for examination to determine the presence or absence of disease. Report on line 5.a. *only* those histologic technicians registered by the American Society of Clinical Pathologists.

6. **Electrocardiograph technician**—records patterns of heart function.

7. **Electroencephalograph technician**—records brain wave patterns.

8. **Radiologic (X-ray) technologist (technician)**—is responsible for demonstrating portions of the human body on X-ray film or fluoroscopic screen for diagnostic use by the radiologist. Report on line 8.a. *only* those radiologic technologists registered by the American Registry of Radiologic Technologists.

9. **X-ray assistant**—assists the radiologic technologist (technician). Includes darkroom helpers.

10. **Nuclear medicine technologist (technician)**—is responsible for using radioisotopes to assist the radiologist in diagnosis and treatment of illness or injury. Report on 10.a. *only* those nuclear medicine technologists registered by the American Registry of Radiologic Technologists.

11. **Nuclear medicine assistant**—assists the nuclear medicine technologist (technician).

12. **Radiation therapy technologist (technician)**—is responsible for using radiation producing devices to administer therapeutic treatments as prescribed by the radiologist. Report on line 12.a. *only* those radiation therapy technologists registered by the American Registry of Radiologic Technologists.

13. **Radiation therapy assistant**—assists the radiation therapy technologist (technician).

14. **Laboratory assistant or aide**—includes technical personnel who assist the scientific personnel and/or the medical technologists by performing various laboratory tests under supervision. Report on line 14.a. *only* those laboratory assistants certified by the American Society of Clinical Pathologists.

15. **Occupational therapist**—selects and directs physical, educational, social, and daily living activities designed to meet specific needs of mentally or physically disabled patients. Report on line 15.a. *only* those occupational therapists registered by the American Occupational Therapy Association.

16. **Occupational therapy assistant and aide**—assists the occupational therapist. Report on line 16.a. *only* those assistants who are certified by the American Occupational Therapy Association.

17. **Physical therapist**—applies techniques and treatments which help relieve pain, increase the patient's strength, decrease or prevent deformity and crippling. Report on line 17.a. *only* those physical therapists qualified by state licensing where it exists and/or persons who are members of the American Physical Therapy Association or eligible for membership in this association.

18. **Physical therapy assistant or aide**—assists the physical therapist.

19. **Speech pathologist and audiologist**—applies skills to help handicapped persons speak in as normal a fashion as possible and to understand the speech of others. Report on line 19.a. *only* those speech pathologists and audiologists certified by the American Speech and Hearing Association.

20. **Recreation therapist**—develops programs involving sports, crafts, trips, and music rehabilitation and restoration of patients.

21. **Inhalation therapist**—uses skills and equipment to attempt to restore normal function to the respiratory system. Report on line 21.a. *only* those inhalation therapists registered by the American Association of Inhalation Therapists.

22. **Pharmacist**—licensed by the State Board of Pharmacy to practice the profession in your state.

23. **Pharmacy assistant**—assists the pharmacist.

24. **Medical librarian**—organizes and administers library service for hospital staff. Report on line 24.a. *only* those medical librarians certified by the Medical Library Association.

25. **Medical record librarian**—is responsible for planning, organizing, supervising, and maintaining systems of medical records. Report on line 25.a. *only* those medical record librarians registered by the American Association of Medical Record Librarians.

26. **Medical record technician**—assists the medical record librarian in carrying out the technical work within the department. Report on line 26.a. *only* those medical record technicians certified by the American Association of Medical Record Librarians.

27. **Social worker**—report on line 27.a. *only* those social workers with a master's degree in social work. Report on line 27.b. holders of baccalaureate degrees.

28. **Social work assistant and aide**—assists the social worker in carrying out defined tasks in the department.

29. **Orthoptic technician**—under the supervision of an ophthalmologist, works with children and adults who need training in coordinating the use of the eyes.

30. **Surgical technical aide**—assists, under continuous professional nurse supervision, in the care of patients in the operating room and the delivery room. Assists in the care, preparation, and maintenance of sterile and unsterile supplies and equipment.

31. **Nurse, professional**—a graduate of a state-approved school of professional nursing who is currently licensed to practice or who is awaiting licensure to practice in your state. Do *not* include any professional nurses previously reported in categories 1-30 of this section.

32. **Nurse, licensed practical or vocational**—nurses who work under the supervision of professional nurses and/or physicians, who are graduates of state-approved schools of practical nursing and who are licensed or eligible for licensure to practice in your state, or who are granted a license by waiver on the basis of experience and endorsement, rather than upon completion of a prescribed course of study. Do not include any practical nurses previously reported in categories 1-30 of this section.

33. **Nursing aide, orderly and attendant**—assists the nursing staff by performing routine duties in caring for patients, under the direct supervision of professional nurses. Include psychiatric aides.

34. **All other professional and technical personnel**—include all other professional and technical personnel *not* reported in categories 1-33. Do *not* include personnel who should be assigned to categories 35-38.

Definitions: Other Hospital Personnel

35. **Food service**—all personnel other than dietitians and food service managers who assist in the preparation and serving of food.

36. **Laundry**—all personnel, including supervisors, who handle, wash and distribute laundry. If the laundry service is contracted outside the hospital, report here *only* those laundry personnel who are *paid by* and *are under the supervision of the hospital.*

37. **Housekeeping**—all personnel, including supervisors, and floor maids, who are responsible for the cleanliness of all areas of the hospital plant.

38. **Maintenance**—all personnel, including supervisors, who are responsible for maintenance of the hospital plant and upkeep of the grounds. If your hospital has a security service or guards *paid by* and *under the supervision of the hospital,* these personnel should be reported in this category.

39. **All other**
    a. **Management**—include the hospital administrator, assistant administrator, comptroller, and other management staff.
    b. **Secretarial, clerical**—include all such personnel here regardless of where they are employed in the hospital.

Questionnaire Section C—Budgeted Positions Presently Vacant and Estimated Needs for Professional and Technical Personnel

1. In Column I, "Budgeted Vacancies," report *only those vacancies for which funds are available in the reporting week.*

2. In Column II, "Estimate of Additional Personnel . . . for Present Patient Load," enter estimates for additional personnel, in excess of present budgeted personnel, that you believe are needed on the basis of current services and patient load. Do *not* include estimates of personnel needed to establish new departments or services.

3. In Column III, "Estimate of Additional Personnel for Patient Load as of one year from reporting week," enter your estimate of all additional personnel that you anticipate will be needed at that time (after Public Law 89-97, Medicare, has gone into effect). Take into account 1) additional personnel required to staff projected new services or departments and 2) additional personnel required to meet any estimated increase in patient load. If your hospital has a short-range position or personnel plan, the figures in that plan can be helpful in making these estimates.

4. Using the five (5) lines at the end of this section, please list the most urgent manpower needs of your hospital. They may include, *but are not restricted to,* the categories of personnel for whom data are requested in this survey. Please list in order of greatest need or priority, and give the numbers of personnel required.

Questionnaire Section D—General Information

1. Report all data for Column I of Section D for the 12-month period ending April 23, 1966. Give the ending date of the reporting period if it differs from the requested one.

2. Report all data for Column II of Section D for the week beginning 12:01 a.m. April 17, 1966 through midnight April 23, 1966.